

Mem.

All scribbles
by M. P. Kerney
in these 3 vols.
of Stelfox's Journal
have been removed
today 10/2/1975
N. F. McMillan

Vols. 1, 2 and 3 of
Stelfox's Journal were
lent to M. P. Kerney
(Imperial College, London)
and were returned by
him, heavily annotated
— naturally without
my permission or
knowledge.

Nora F. McMillan

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Lists of Land & Freshwater Mollusca.
& Localities Found in Great Britain
& Ireland
by

A. W. Stelfox

Also lists from Fover & Caen in Normandy
and several from Norway.

VOL. 1.

August 10th 1904.

L. M. Mollan *Sept. 02*
Sept. 02

Arion ater ✓
V. pallens ✓
H. radiatus ✓
H. rufus ✓ *isole* ✓
" *acutus* ✓ *acutus* ✓
" *pallidus* ✓
P. cylindrica ✓
C. laticollis ✓ *C. laticollis* ✓
L. peregrinus ✓ *L. Keel & Nantwich* ✓
L. truncatella ✓ *L. Nantwich*
P. cristatus "
glaber "
P. pusillus "
fontinalis "
milv "

Arion ater
Luc. of Hops *P. G. Mollan*

Ormeau Park in fast district.
 Sunday 12th August 1905.



Co. Down.

| | |
|------------------------------|---|
| <i>Limax maximus</i> L. | Common at Oakleigh, all var <i>ferrusaci</i> . 1904. |
| " <i>flavus</i> L. | Several specimens in cucumber frames Oakleigh. Summer 1904. |
| " <i>arborum</i> | Rare on trees near Oakleigh. 1901. |
| <i>Agriolimax agrestis</i> . | Very common in garden, Oakleigh. 1904. |
| " <i>levis</i> . | Rare in Marsh near Oakleigh & in garden. 1903. |
| <i>Milax sowerbyi</i> . | Common in "Lilly of the Valley" beds in Oakleigh, 1902. also common at other places |
| <i>Vitrea crystallina</i> | Fairly common in nettles at Oakleigh 1905. |
| " <i>cellaria</i> | Common in above situation & also in greenhouses. |
| " <i>alliaria</i> | Common in nettles as above & greenhouses. |
| " <i>radiatula</i> | A few specimens in nettles but rare. |
| <i>Eucomia flavus</i> | In nettles at Oakleigh but not common. |

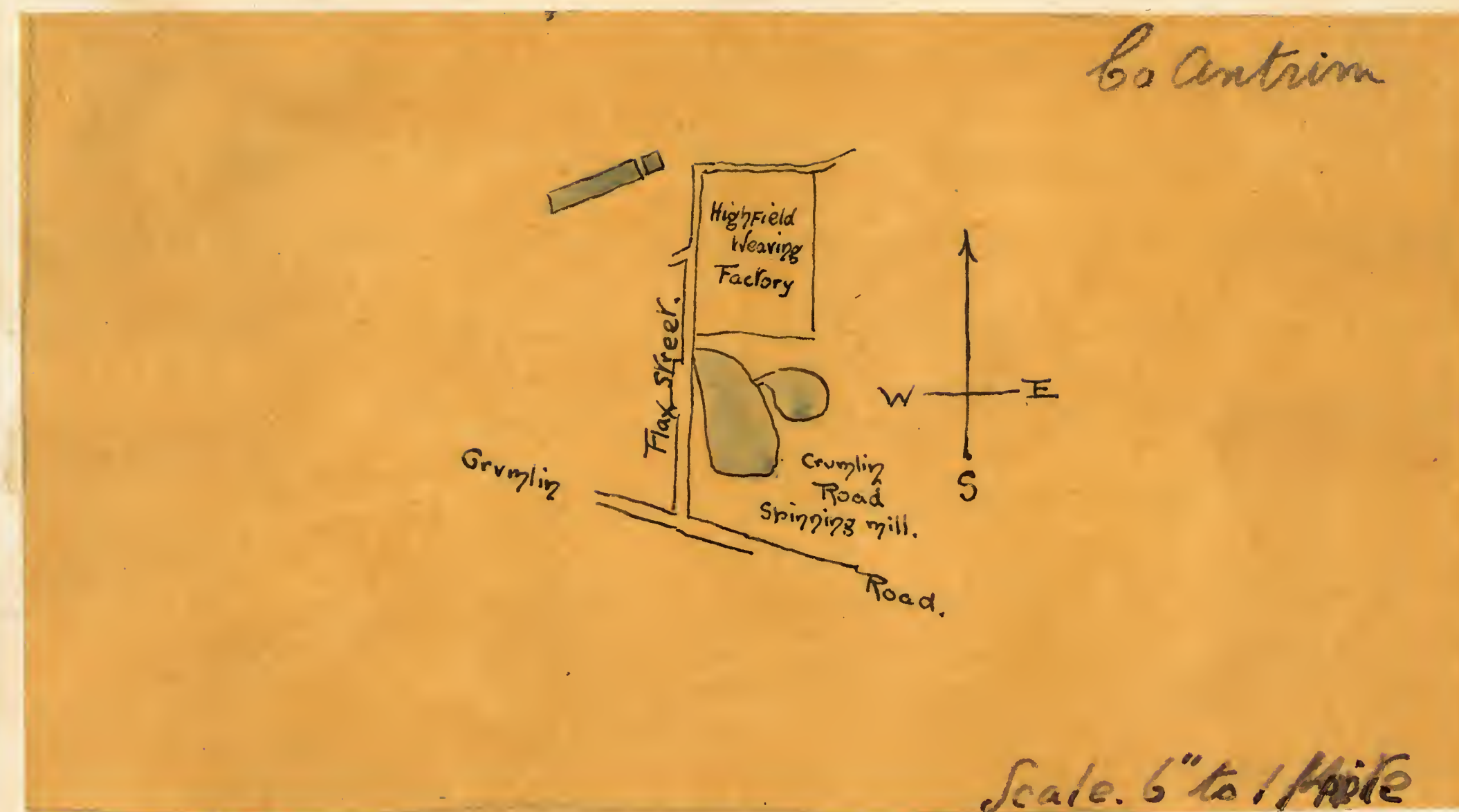
Ormeau Park continued.

- Arion ater* Very common. Type & vars. castanea + plumbea. 1905.
- " *subfuscus* Fairly common but not so plentiful as in previous years. 1905.
- " *intermedius* Frequent in nettles at Oakleigh. 1900
- " *hortensis* Very common in garden at Oakleigh. Almost a pest. 1905
- " *fasciatus* Also common in garden but not so abundant as *h.*
- Pyramidula rotundata* Common all round Oakleigh. 1905.
- Hygromia hispida*. Common in nettles at Oakleigh. 1905.
- Helix nemoralis*. Common at Ardenlee House in 1898. ~~all var. *subcellata*.~~
- Cochlicopa lubrica* Common at Oakleigh. 1905.
- Vertigo antivertigo* Several specimens in rejectamenta from Lagan 1904.
- Blausilia bidentata* Common at Oakleigh. 1905.
- Succinea patris* a few in ditch, Ardenlee Avenue. 1898.
- Limnaea pereger* Ravenhill Brick Pond & Ardenlee. 1898. One abnormal specimen at latter place.
- " *truncatula* a few in marsh at Oakleigh. 1901.
- Planorbis albus* Common in Ravenhill Brick Pond 1905.
- " *umbilicatus* Rejectamenta from Lagan 1904.
- " *contortus* Rejectamenta from Lagan 1904.
- Aplecta hypnorum* Common in ditch in Ardenlee Avenue 1898. This ditch has since been removed but *Aplecta* may still survive in similar situations close by. 1905. Specimens collected in 1898 were very large.
- Bythinia tentaculata*. Rejectamenta from Lagan 1904.
- Valvata piscinalis*. Rejectamenta from Lagan 1904.
- Pisidium pusillum*. Ravenhill Brick Pond 1898. also *P. nitidum*, *P. pusillum*, and *P. subtruncatum* in 1905. [A.W.S. 1916.]
- A specimen of *Planorbis* ~~cornea~~ was found in ~~do~~ ~~at Oakleigh~~ ~~by C.V. Stevenson~~ ~~also with me.~~ ~~A.W.S. 1898~~

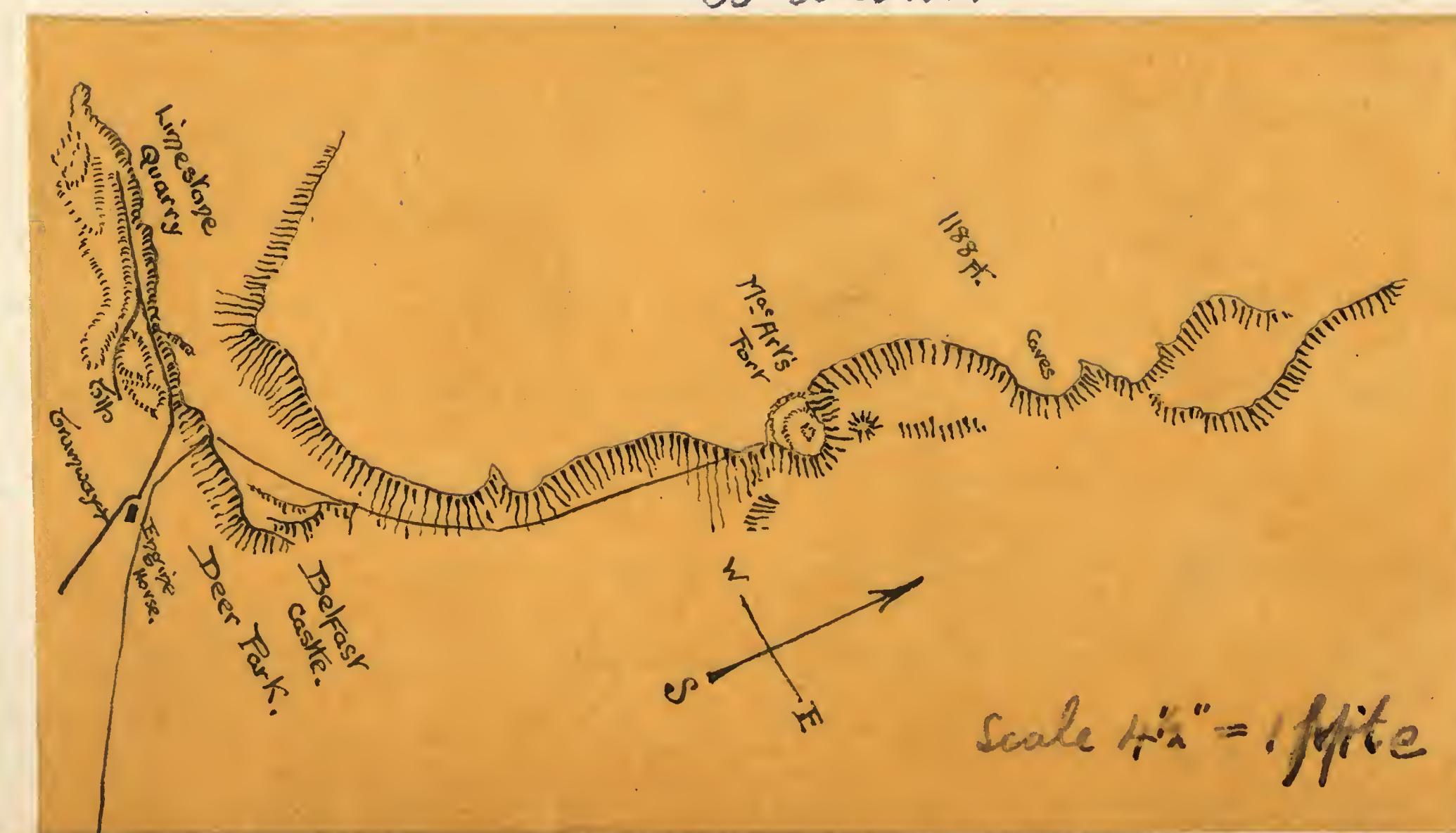
Vallonia *excelsa* *Stark*
 - mentioned all
 from Lagan at Oakleigh
 in June 1900
 A.W.S. 1916

Highfield Mill Dam.
Off Crumlin Road. Belfast

Co Antrim

A.W.S. + R.W.
7.8.05.

- Planorbis glaber* Very common but all dead. Largest specimen was 4.5 x 3.0 m.m. Temperature of water probably 100° Fahr.
- Limnaea pereger* Very common. Some specimens with very reflexed lips.
- Valvata piscinalis* One specimen dead. This & above were collected on 7th Aug. 1905.

Bare Hill
Co Antrim

Cavehill cont.

- Agriolimax agrestis* Common. 1904.
Vitrea pellucida Plentiful, but dead, on quarry tip. 1904.
Vitrea crystallina Common in moss on quarry tip 1904.
 " *cellaria* At base of deer park wall. 1904.
 " *nitidula* In above situation. Common. 1904.
 " *pura* In moss on tip. 1904.
 " *radiatula* In moss on tip, with var. *viridescens-alba*. 1904.
Euconulus fulvus a few small specimens on quarry tip. 1904.
Arion ater Common.
 " *subfuscus* Under stones at Engine House of quarry 1904.
 " *fasciatus* " " " " " " "
Punctum pygmaeum In moss on quarry tip. 1904.
Pyramidula rotundata Common. 1904.
Hygromia hispida Very common, with var. *hispidosa* 1904.
Acanthinula aculeata Fairly plentiful in moss on quarry tip, with var. *albida*. 1904.
Helix nemoralis Common. Mostly var. *luteola-albolabiata*, 00345. 1904.
Ena obscura Common on Deer Park Wall & at Engine House. 1904.
Bohliopa lubrica Common with var. *hyalina*. 1904.
Jamnia cylindracea Common with var. *albina*. 1904.
Vertigo pygmaea Numerous in quarry 1904.
Blasilia bidentata Common. 1904.
Luccinea patris In small streams below quarry. 1904.
Barychium minima Common. 1904.
Limnaea pereger In streams below quarry. 1904.
 " *truncatula* " " " " " "

Cretaceous

Cave Hill cont.

- Acicula lineata* Common in moss with var. *alba* in quarry 1904.
Pisidium pusillum In stream in quarry. 1904. } Verified by C. Oldham.
 " *obtusale* " " " " " }

Pisidium casertanum } a.w.s.
 " *nitidum* } 14-3-16
 " *personatum*

Downpatrick Marshes.

August 6th 1905. Co. Down.

Silurian

- Limax arborum*. Under trees near Wheat Hill Bridge.
Agriolimax agrestis Common near Loop Line.
 " *laevis* In marsh frequent.
Vitrea alluvina One specimen near Loop Line.
 " *nitidula?* One doubtful specimen, young, near Loop Line.
 " *pura* a few at Loop Line.
 " *radiatula* One specimen, var. *viridescens-alba*, at Loop Line.
Euconulus fulvus a few young near Loop Line.
Zonitoides nitidus One dead in field at Downpatrick Station.

Downpatrick cont.

- Arion ater* Common at Loop Platform. Vars *plumbea* & *castanea*.
" subfuscus Near Loop line.
" intermedius Common at Loop Platform.
" fasciatus Loop line.
Pyramidula rotundata Common on Loop line, also near Wheat Hill.
Helix nemoralis a few at Loop Platform.
Hygromia hispida Plenty, young, near Loop line.
Bochlicopa lubrica Common on Loop line.
Jamnia cylindracea Wheat Hill, fairly common.
Vertigo pygmaea Two specimens at Loop Platform.
Blausilia bidentata Wheat Hill.
Luccinia elegans Type common with vars. *pfeifferi* &
Carychium minimum a few on Loop line.
Limnaea pereger Common in all ditches, also at Drumsallagh Pond.
" palustris Common in all ditches but a few very large in drain at Loop.
" truncatula Common everywhere. Drumsallagh Pond.
Planorbis albus Loop line & Drumsallagh Pond.
" umbilicatus Plentiful young. ? I think a mistake. G. W. S. 1914
" carinatus In ditch west of Loop line.
" spirorbis In field at Station.
" contractus Very common. also at Drumsallagh Pond.
" fontanus Fine specimens in ditch in Photo. also at Drumsallagh.
" crista One specimen near station in 1899. None in 1905.
Physa fontinalis Common everywhere & at Drumsallagh Pond.
Aplecta hypnorum In field near Station.
Acroloxus lacustris a few dead west of Loop line. Common at Inch Abbey in 1903.

Vallonia concentrica - mounted
 collection taken at Downpatrick
 - 1899 by G. W. S. 1924.

Downpatrick cont.

- Bythinia tentaculata* Common. Everywhere.
Valvata piscinalis Common everywhere. Drumsallagh Pond.
" cristata Common everywhere. Drumsallagh Pond.
Sphaerium cornutum Very fine specimens near Loop line.
" lacustre In same situation as above & also a few very large in drain between Wheat Hill & Drumsallagh.
Pisidium nitidum Two specimens } [G. W. S. 1916]
" milium Common

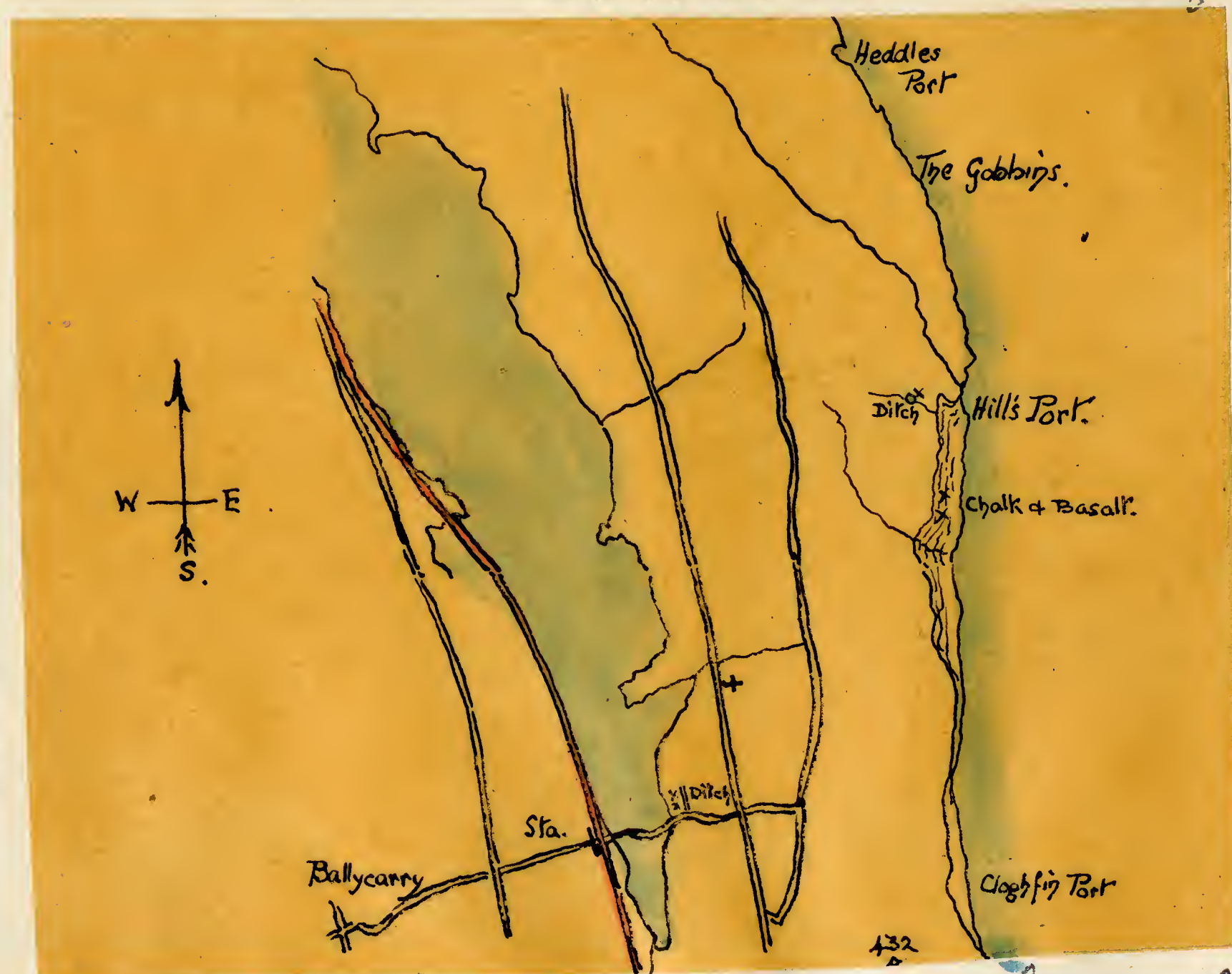


Marshes at Downpatrick.

- Ravenhill Brick Pond. See page I. 4th Sept. 1905.
Limnaea pereger Common
Planorbis albus Common & fairly large.
" fontanus One large specimen dead.
Pisidium nitidum } [G. W. S. 1916]
" pusillum }
" subtruncatum } See p. 2 ante.

Also *Planorbis*
nitidum & *lacustris*

Islandmagee.
to Antrim. 27th August 1905.



Scale 1 inch to 1 mile.

Hills Port on Cuttaceen

- Agriolimax agrestis*. at Ballycarry Ford & Hills Port. a few only.
Vitrina pellucida. a few dead on chalk at Hills Port.
Vitrea crystallina. Ballycarry Ford & Hills Port.
 " *cellaria*. Plentiful, but all dead at Hills Port.
 " *allivaria*. One specimen, var. *viridula*, at Hills Port.
 " *nitidula*. a few at Hills Port.
 " *radiatula*. One specimen at Ballycarry Ford.
 " *pura*. a few at Hills Port.
Arion ater. Ballycarry Ford & Hills Port.
 " *intermedius*. One specimen at Ballycarry Ford.
 " *subfuscus*. One young specimen at Hills Port. R. Welch.
Pyramidula rupestris. Plentiful on chalk debris at Hills Port.
 " *rotundata*. Ballycarry Ford & Hills Port.

Islandmagee cont.

- Hygromia hispida*. Hills Port, Cliff Path & Ballycarry Ford. Common.
Helix aspersa. Common, dead, in holes in chalk at Hills Port.
 " *remoralis*. Common at Hills Port.
Bochlicopa lubrica. Hills Port & Ballycarry Ford. Frequent.
Jamnia cylindracea. Hills Port, common.
Vertigo antivertigo. One specimen at Ballycarry Ford. R. Welch.
 " *pygmaea*. a few at Ballycarry Ford. R. Welch.
Balea perversa. Common with *P. rupestris* at Hills Port. Very large & with exceptionally well formed lip.
Planorbis bidentata. Some fine large specimens at Hills Port with *Balea*.
Succinea elegans. a small form common at Ballycarry Ford.
Barychium minimum. Ballycarry Ford & Hills Port.
Limnaea pereger. Ballycarry Ford & Ditch above Hills Port.
 " *truncatula*. Ballycarry Ford & Hills Port.
Planorbis spirorbis. Plentiful & large in ditch near Ballycarry Ford.
Aplecta hypnorum. Plentiful young with *P. spirorbis* as above.
Paludetrina ventrosa. a few dead in pools at Ballycarry Ford.
 " *stagnalis*. One specimen at Ballycarry Ford.
Cisidium castrum } Both common at Ballycarry Ford and at
 " *personatum* } roadside at Hills Port. [Ver. G.W.S. 1916].

Islandmagee cent.



Hills Port, Black Hd in distance.



Gobbins from Hills Port.

Mill Dam at Harper's Bridge.

2 miles south of City of Belfast Boundary
on Road to Saintfield. 6 Down.

10th Sept. 1905.



Hygrobia hispida
Jamnia cylindracea
Limnaea peregrina
" *palustris*

One dead in Dam.
Common on wall along road at Harper's Bridge.
Common.
Common. All young.

Harper's Bridge, cont.

Limnaea truncatula Common in Flooded parts of dam.
Planorbis cristata Common on duck-weed in dam.
" *contorta* Fairly common.
Physidium personatum [Ver. G.W.S. 1916] Common.

4
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Harper's Bridge Dam
looking north-west.
Known locally
as 'Hunter's Mill'.
G.W.S. 1914.

Warrenpoint & Ros Trevor

60 Down 17th Sept. 1905.



Warrenpoint & Rostrevor cont.

- Agriolimax agrestis* a few specimens along Milltown road.
 " *lavis*. Common in swamp on Milltown road.
Vitrea crystallina Milltown road & Water Works, rare.
 " *cellaria* Milltown road, rare.
 " *alliana* Milltown road, rare.
 " *nitidula* Milltown road, rare.
 " *pura* Water Works, rare.
 " *radiatula* Milltown road, common & very fine.
Eucomelus fulvus Milltown road & Water works.
arion ater Milltown road & Water works.
 " *hortensis* One specimen on Milltown road.
Zonitoides nitidus Very common & large at Water Works. Plentiful young.
Punctum pygmaeum One specimen on Milltown road.
Pyramidula rotundata Milltown road, common. Also near Rostrevor.
Helicella zaharensis ^{Kobelt.} One immature specimen found alive near Rostrevor. The spot is indicated on map by a small red cross. The specimen was under a stone among nettles in the ruin of a cottage. Feb 1898. Mr. Welch + myself searched this spot carefully on 11th Sept 1905 but found no trace of any colony, indeed it would be a strange place for any *Helicella* to live.
Hygromia hispida Common.
 " *rufescens* Common.
Cochlicopa lubrica. Water Works + on Milltown road.
Jamnia cylindracea Common.
Limax arborum Thunder Hill. rare.

Filiolan

Warrenpoint & Rostrevor cont.

- Vertigo antivertigo* Very common at Water Works.
 " *pygmaea*. Common & large along Milltown road 1 mile from Station.
Balea perversa Near Rostrevor, rare.
Clausilia bidentata 1 young specimen on Milltown road.
Succinea putris Milltown road, a few only young.
 " *elegans* Water Works, mostly dead.
Larychium minimum Common.
Limnaea auricularia Common at Water works. Very fine specimens but all dead.
 " *peregrina* Local.
 " *palustris* Milltown road & water works.
 " *truncatula* rare.
Planorbis fontanus Fairly common, dead, at Water works.
 " *albus* Water works, rare.
 " *spirorbis* Milltown & Water works.
Paludetrina jenkinsi In millions in small stream close to outlet of Moygannon River, Warrenpoint.
Valvata cristata Waterworks, rare.
Ancylus fluviatilis Lhan river, common, young.
Pisidium personatum Common.
 " *milium* Common. } [Ver. G.W.S.
 " *subtruncatum* One spec. } 18-3-16
 " *stusale* One spec }

Photo. of roadside.
 where *Helicella*
zaharensis was
 found.



Bunbeg continued.

Helicella itala Very common.
 " *barbara* Very common.
Acanthinula aculeata Common in Shell Pockets.
Vallonia pulchella " " " "
 " *costata* " " " "

Also *Pisidium carerianum*.
 " *personatum*.
 " *pulchellum*.
 " *lilljeborgii*.
 " *stusale*.
 from Middleton, and
P. carerianum
P. personatum
 from Clady River.

Helix nemoralis Common. Many white tipped.
 " *aspersa* Very common in dykes. The small wooden crosses in Magheragallon bh. yard were in some cases completely covered with this shell.

Jamnia cylindracea Common
 " *muscorum* Common in Shell Pockets.
Vertigo pygmaea Shell Pockets & alive below Middleton.
 " *antivertigo* " " " "
 " *pusilla* Common in shell pockets.
 " *angustior* " " " "
 " *substriata* " " " "

Clausilia bidentata Common.
Larychium minimum Common in suitable places.
Limnaea pereger In pond below Middleton.
 " *truncatula* Middleton.

Planorbis glaber }
 " *spirobis* } All three common in pond below Middleton.
 " *crista* }

Pisidium ~~stusale~~ Middleton. See above!
Unio margaritifera Very common in Clady River. All type.

Inishiney, off Carrickfergus.
26th & 27th Sept 1905.

Agriolimax agrestis Common.
Vitrina pellucida common.
Vitrea allisaria a dark brown form, common.

Pyramidula rotundata Fairly common
Helicella itala } abundant.
 " *barbara* }
Vallonia costata a good many specimens alive under stones
 " *excentrica* alive with above. Verified by A.W.S. 1924!

Acanthinula aculeata Shell pockets.
Helix nemoralis Rare alive. Plentiful in shell pockets.
Bochliopa lubrica Common.
Clausilia bidentata Fairly common.
Jamnia cylindracea } Common in
 " *muscorum* } Shell pockets.
Vertigo angustior " " "
 " *pygmaea* " " "

Lauricularia in semi-decayed
 Case n. of Bunbeg.

Barrickfin Peninsula.
25th 26th + 27th Sept. 1905.

- Agriolimax agrestis* Common.
 " *laevis* Shore of Dunmore Lough.
Vitrea pellucida Frequent.
Vitrea crystallina Very common in shell pockets.
 " *cellaria* " " " " "
 " *alliaria* Common alive & also in shell pockets.
 " *radiatula* A few on shores of Dunmore Lough.
 " *pura* Shell pockets.
Euconulus fulvus Common in shell pockets.
Pyramidula rotundata Common.
Helicella itala } Abundant.
 " *barbara* }
Acanthinula aculeata Common in shell pockets.
Vallonia

Helix nemoralis } Common in old walls & c.
 " *aspersa* }
Bochlicopa lubrica Common.
Gaminia anglica Common in shell pockets.
 " *muscorum* " " " "
 " *cylindracea* Common.
Vertigo pygmaea }
 " *antivertigo* } All very common in shell pockets.
 " *substriata* }

Barrickfin continued.

- Vertigo pusilla* Common in shell pockets.
 " *angustior* " " " "
Sphyradium edentulum " " " "
Clausilia bidentata Frequent. Also in shell pockets.
Succinea elegans Shores of Loughs. all young.
Barychium minimum Shores of Dunmore Lough & also in shell pockets.
Limnaea pereger Common. A beautiful white form, var. *candida*, is very plentiful in Carnboy Lough. Besides being white these shells are very square shouldered. var. *boissii*.
 " *truncatula* Frequent.
Planorbis glaber Common in Cormac's Lough & Dunmore & Carnboy Loughs.
 " *crista* One specimen, very large, in Carnboy Lough.
 " *spirorbis* Dunmore Lough, common.
Acicula lineata Very common in shell pockets.
Cisidium pusillum }
 " *milium* } "Dunmore Lough." [Ver. by G.W.S. 26-3-16]
 " *subtruncatum* }
 " *lilljeborgii* }

Limnaea auricularia Var. *acuta-albida* was found with *pereger* in Carnboy Lough & verified by J. W. Taylor of Leeds.
 Mullaghderg Lough & Dunes.
 26th + 27th Sept. 1905.

Agriolimax agrestis } Shores of lake
 " *laevis* } common.
Milax sowerbyi A few specimens on shore of lake.
Vitrea pellucida Very common

Mullaghderg continued.

- Vitrea crystallina* Shore of lake & in shell pockets.
" alliaria Shore of lake. common.
" cellaria Shell Pockets, frequent.
Zonitoides nitidus Under stones on shore of lake. Common mostly young.
Euconulus fulvus Common with above on shore of lake.
Arion ater } Common on shore
" subfuscus } of lake.
Pyramidula rotundata. Surprisingly rare.
Helix itala }
" acuta } all very abundant
" nemoralis } on dunes.
" aspersa }
Boelliopa lubrica Common.
Acanthinula aculeata. a few specimens taken under stones on shores of lake without any trace of spines. Common in shell pockets.
Lamnia cylindracea Common.
" muscorum Common in shell pockets.
Vertigo antiverigo Very common on shores of lake.
" pygmaea Very common & large with above. Shell pockets.
" substriata a few with above alive. also in shell pockets.
" angustior In abundance in shell pockets, apparently freshly dead.
" pusilla. Fairly common in shell pockets.
Blausilia bidentata. Rare. also in shell pockets.
Succinea elegans Very common with *Vertigo* on shores of lake.
Limnaea pereger common. a few specimens of var. *candida*.
" palustris common in lake.

Mullaghderg continued.

- Limnaea auricularia* Var. *acuta* fairly common but young. Some also var. *abida*.
Limnaea truncatula Common on shores of lake.
Carychium minimum common near lake. also in shell pockets.
Planorbis cristata Rare.
" spirorbis Common in flooded parts of lake but is replaced by *glaber* in main portion.
" glaber Very common & large. Feeding on *Potamogeton*.
" contortus Two dead specimens only.
Valvata cristata In abundance & large.
acicula lineata Fairly common in shell pockets.
Pisidium pusillum Common.
" obtusale Fairly common.
" ~~nitidum~~ " "
" gossisianum Rarer than above.
- Verified by " *Pisidium nitidum*.
" pusillum.
" pulchellum.
" subtruncatum.
" laticostatum.
" hibernicum.
 Charles Oldham.
- [Ver. H. A.W.S. 26-3-16]

Dunlewy Lough
 28th Sept. 1905.



- Limax arborum* Common in Dunlewy House woods.
Agriolimax agrestis Common.

Dunlewy continued.

- Agriolimax caris.* Common on lough shores.
Milax sewerbyi. Common around lough.
Vitrea crystallina.
 " *pura.*
 " *radiatula.* All common in woods
 " *nitidula.* of Dunlewy House.
 " *cellaria.*
 " *alliaris.*
Zonitoides saxatilis. A few specimens in Dunlewy Wood.
Pyramidula rotundata. Common.
Sphyradium edentulum. Common in wood & under stones below county road.
Punctaria pygmaea. One specimen taken alive by G.W.C. on shore or lough
Arion ater
 " *hortensis* } all common in wood.
 " *fasciatus* }
Hygromia hispida. Common in wood.
Jamnia cylindracea. Common.
Clausilia bidentata. Common.
Balea perversa. Common in woods.
Vertigo pygmaea. Under stones below Curragh.
Anagallis flavistilis. Plentiful, but young, in lough.
Limnaea pereger } Both in lough.
 " *truncatula* }
Carychium minimum Shores of lough.
Planorbis spiralis In shallow pools around N.E. side of lough.
Pisidium paucum Common.

Dunlewy continued.

Pisidium nitidum Common in lough below Dunlewy House. } Ver. by C. Oldham.
 " *subtruncatum* Common. }
 " *assortum* }
 " *personatum* } Ver. by G.W.S. 26-3-16
 " *lilliputii* }

Horn Head, Falcarragh & Sessagh Lough.

1st & 3rd Oct, 29th Sept., 4th Oct 1905.



Falcarragh

29th Sept. 1905.

| | | |
|----|-----------------------------|---------------------------------|
| Ag | <i>agriolimax agrestis</i> | Common |
| " | <i>caeris</i> | Fairly common |
| V | <i>Vitrea pellucida</i> | In sand dunes. |
| V | <i>Vitrea alliaris</i> | a few specimens on sand dunes. |
| | <i>Eucornutus fulvus</i> | a few specimens. |
| | <i>arion ater</i> | Common |
| | <i>" hortensis</i> | Common. |
| | <i>Pyramidula rotundata</i> | Common. |
| P | <i>Helicella itala</i> | } abundant. |
| P | <i>" barbara</i> | |
| H | <i>Vallonia pulchella</i> | Common in shell pockets. |
| H | <i>Helix nemoralis</i> | Common |
| a | <i>" aspersa</i> | Very common. |
| v | <i>Bochlicopa lubrica</i> | Common |
| | <i>Jamnia muscorum</i> | Shell pockets. |
| | <i>" cylindracea</i> | Common. |
| | <i>Vertigo antiveritigo</i> | Under stones |
| | <i>" angustior</i> | Shell pockets |
| | <i>" pygmaea</i> | Under stones with antiveritigo. |
| | <i>Clausilia bidentata</i> | One young with above. |
| | <i>Corychium minimum</i> | a few |
| | <i>Limosa truncatula</i> | In damp spots. |

Horn Head

1st & 3rd Oct 1905.

| | |
|-----------------------------|---|
| <i>Limax arbouum</i> | Common in rubbish around Martello Tower. |
| <i>agriolimax agrestis</i> | Common. |
| <i>Vitrea cellaria</i> | Martello Tower, a few only. |
| <i>" alliaris</i> | Common with above. |
| <i>Punctum pygmaeum</i> | shell pockets. |
| <i>Sphyradium edentulum</i> | Very common under stones by road side to Tower. |
| <i>Pyramidula rotundata</i> | Common. |
| <i>Helicella itala</i> | abundant. |
| <i>" caperata</i> | a large colony around old circus ring opposite Dunfanaghy Br. |
| <i>" barbara</i> | abundant. |
| <i>Helix nemoralis</i> | Very common. a much weathered but extremely heavy type is to be found alive on Tramore dunes. |
| <i>" aspersa</i> | Common. |
| <i>Bochlicopa lubrica</i> | Common |
| <i>Jamnia cylindracea</i> | Common. Very large & very thin shells. |
| <i>" muscorum</i> | Shell pockets. |
| <i>Balea perversa</i> | In abundance with well formed lips in mortar on Martello Tower. |
| <i>Clausilia bidentata</i> | Frequent. |
| <i>Vitrea pellucida</i> | Common in dunes. |
| <i>Zonitoides nitidus</i> | Very common near Dunfanaghy Bridge in small marsh. |
| <i>Eucornutus fulvus</i> | Common |
| <i>Vallonia pulchella</i> | Common near lime kiln near Bridge. (prob. excavation M.H.) |
| <i>" costata</i> | Very common with above. Fine specimens. |
| <i>Vertigo antiveritigo</i> | alive in marsh near bridge. common. |
| <i>" pygmaea</i> | With above but not so common. |

Horn Head continued.

| | | |
|----|----------------------------|-------------------------------|
| ag | <i>Vertigo substriata.</i> | Shell pockets |
| | " <i>pusilla.</i> | Shell pockets |
| | " <i>angustior.</i> | Shell pockets. |
| v | <i>Succinea elegans.</i> | Common in marsh near bridge. |
| v | <i>Limnaea pereger.</i> | Very fine specimens in marsh. |
| | <i>truncatula</i> | with above. |
| | <i>Brachium minimum.</i> | Common in shell pockets. |
| | <i>acicula lineata.</i> | Common in shell pockets. |

Sessiagh Lough & district.
4th Oct 1905.

| | | |
|---|------------------------------|--|
| B | <i>Limax urbium.</i> | On shores of lake. |
| H | <i>Agriolimax agrestis.</i> | Common. |
| | " <i>levis.</i> | Frequent. |
| a | <i>Vitrea pellucida.</i> | Common. |
| 2 | <i>Vitrea alliana.</i> | Common. |
| | " <i>radiatula.</i> | a few specimens. |
| | <i>Zonitoides nitidus.</i> | Very common on shore of Sessiagh Lough near road. |
| | <i>Euconulus fulvus.</i> | Common. |
| | <i>Arion ater.</i> | Common. |
| | " <i>hortensis.</i> | a few. |
| | " <i>intermedius.</i> | a few specimens only along cliffs to West of lake. |
| | <i>Pyramidula rotundata.</i> | Common. |
| | <i>Helicella itala.</i> | abundant on shore |
| | " <i>barbara.</i> | near Rockhill. |
| | <i>Pygmaea hispida.</i> | One specimen with a. minus in nettles. |

Primary Limestone.

Sessiagh Lough continued.

| | | |
|--|-----------------------------|--|
| | <i>Helix nemoralis.</i> | Plentiful but young. |
| | <i>Bohliopa cubica.</i> | Common |
| | <i>Gemma cylindracea.</i> | Common |
| | <i>Vertigo antiverigo.</i> | Very common |
| | " <i>pygmaea.</i> | Common. |
| | <i>Planorbis bidentata.</i> | a few only. |
| | <i>Succinea elegans.</i> | Abundant on shores of Lake. |
| | <i>Limnaea pereger.</i> | Common |
| | " <i>truncatula.</i> | Common |
| | <i>Planorbis glaber.</i> | a few in lake. |
| | <i>Valvata cristata.</i> | Plentiful in outlet of Kill Lough. |
| | " <i>piscinalis.</i> | One young in Sessiagh Lough. |
| | <i>Cisidium pusillum.</i> | Outlet of Kill Lough. [Ver. by A.W.S. 26-3-16] |

Glenveagh
30th Sept. 1905.



Glenveagh continued.

| | |
|------------------------------|--|
| <i>Limax maximus</i> | A few in Mullagore Wood. |
| " <i>arborum</i> . | Common. |
| <i>Agriolimax agrestis</i> . | Common. |
| " <i>laevis</i> . | A few. |
| <i>Milax sowerbyi</i> . | Rare only two seen. |
| <i>Vitrea pellucida</i> | Common. |
| <i>Vitrea crystallina</i> . | Not at all common. |
| " <i>pura</i> . | Very common. |
| " <i>radiatula</i> | Frequent. |
| " <i>nitidula</i> | Common. |
| " <i>alliana</i> . | Common. |
| <i>Zonitoides excavatus</i> | One var. <i>viridula</i> in wood. |
| <i>Euconulus fulvus</i> . | Fairly common. |
| <i>unio ater</i> . | Common. Very pale var. |
| " <i>hortensis</i> . | Common. |
| " <i>subfuscus</i> . | Abundant. Mostly young. |
| <i>Physadnum edentatum</i> | In woods. |
| <i>Pyramidula rotundata</i> | Common. |
| <i>Helix nemoralis</i> . | A very fragile variety living in moss under trees. |
| <i>Hygromia fusca</i> . | Very common. Mostly young. |
| <i>Acathina lamellata</i> . | One fine specimen in Mullagore wood. |
| <i>Bohliops lubrica</i> . | Common. |
| <i>Gumina anglica</i> . | Fairly common on moss. |
| " <i>cylindracea</i> . | Common. |
| <i>Casaea perversa</i> . | Common. |
| <i>Gilia bidentata</i> | Common. |

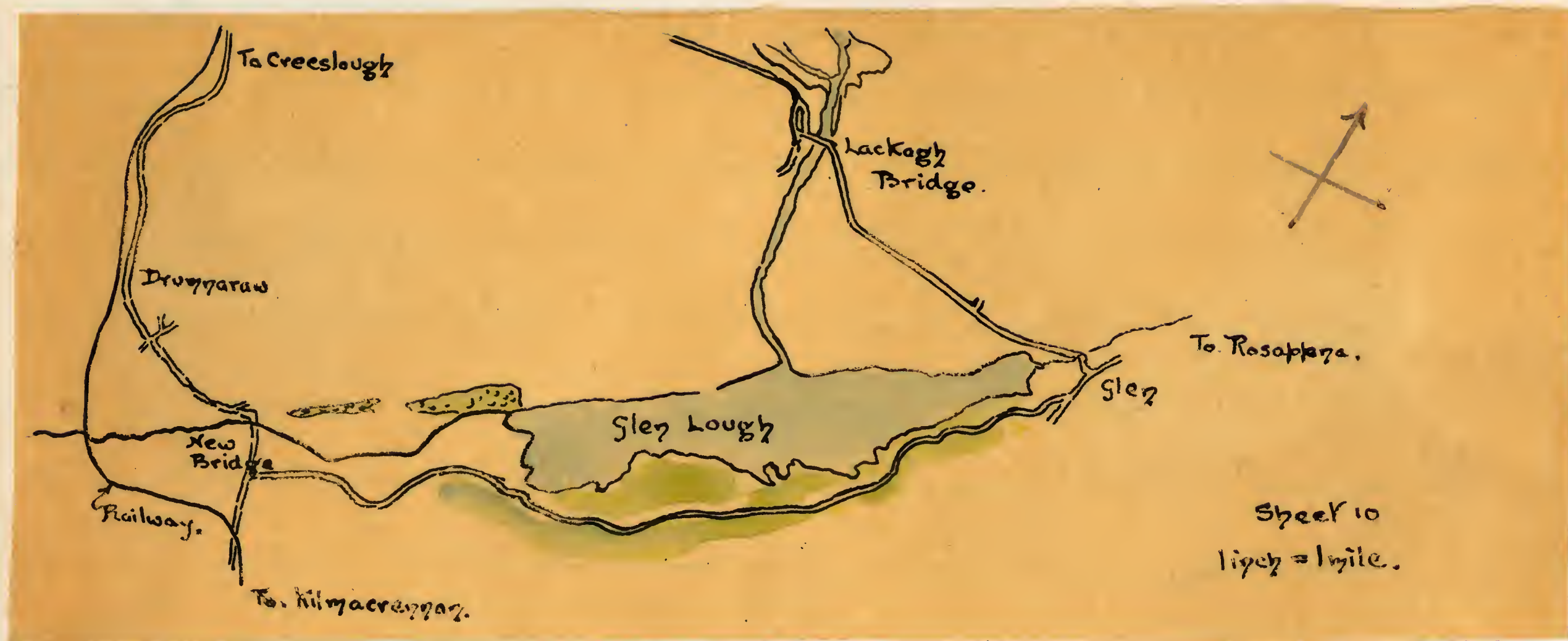
Glenveagh? continued.

| | |
|---------------------------|--------------------------------|
| <i>Carychium minimum</i> | A few seen. |
| <i>Limnaea truncatula</i> | One specimen on shore of lake. |
| " <i>peregr.</i> | Common. |

Glen Lough 5th Oct 1905.

| | |
|-------------------------------|---|
| <i>Limax arborum</i> . | Plentiful. |
| <i>Agriolimax agrestis</i> | Common. |
| " <i>laevis</i> . | Frequent. |
| <i>Vitrea pellucida</i> | Common. |
| <i>Vitrea crystallina</i> . | Rare. |
| " <i>pura</i> . | Common. |
| " <i>radiatula</i> . | A few. |
| " <i>nitidula</i> . | Common. |
| " <i>alliana</i> . | Common. One specimen of var. <i>viridula</i> . |
| <i>Zonitoides nitida</i> . | A few only. |
| <i>unio ater</i> . | Common. |
| <i>Pyramidula rotundata</i> . | Common. |
| <i>Gumina cylindracea</i> | Very common. |
| <i>Helix nemoralis</i> . | One specimen like those from Glenveagh. |
| <i>Vertigo antiverugo</i> | All three under stones by roadside north of New Bridge. |
| " <i>substriata</i> | |
| " <i>pygmaea</i> . | |

Glen Lough continued.



Postscript, to Berry list
omitted
for English records
see p. 15
Dec 1905

Legoniel, Wolf Hill & Crow Glen.

Belfast Co, Antrim. 7th Jan. 1906.

Limax maximus. One very young about Wolf Hill Mill.

Agriolimax agrestis. Common.

" *laevis*. Common at Wolf Hill.

Vitrea pellucida. Frequent, dead.

Vitrea crystallina. Common & very fine specimens.

" *cellaria*. Common.

" *nitidula*. A few at Wolf Hill, dead.

" *pura*. Common & large.

Euconula fulva. Wolf Hill.

Arion ater. Common, young.

" *subfuscus*. Crow Glen.

" *hortensis*. Crow Glen.

" *fasciatus*. Common in both localities.

Pyramidula rotundata. Common. One white spec. at Wolf Hill.

Hygromia hispida. Common. A few pure white specimens.

Helix nemoralis. Common in ~~the~~ Crow Glen.

Bohlicopa lubrica. Crow Glen & Wolf Hill.

Jamnia cylindracea. Common & large.

Vertigo. One young shell at Wolf Hill.

Blasilia bidentata. Common.

Ancylus flavistilis. Crow Glen.

Tris & Cretaceum

brow Glen continued.

Limnaea pereger. Common at Wolf Hill & Crow Glen.

" *truncatula*. Wolf Hill.

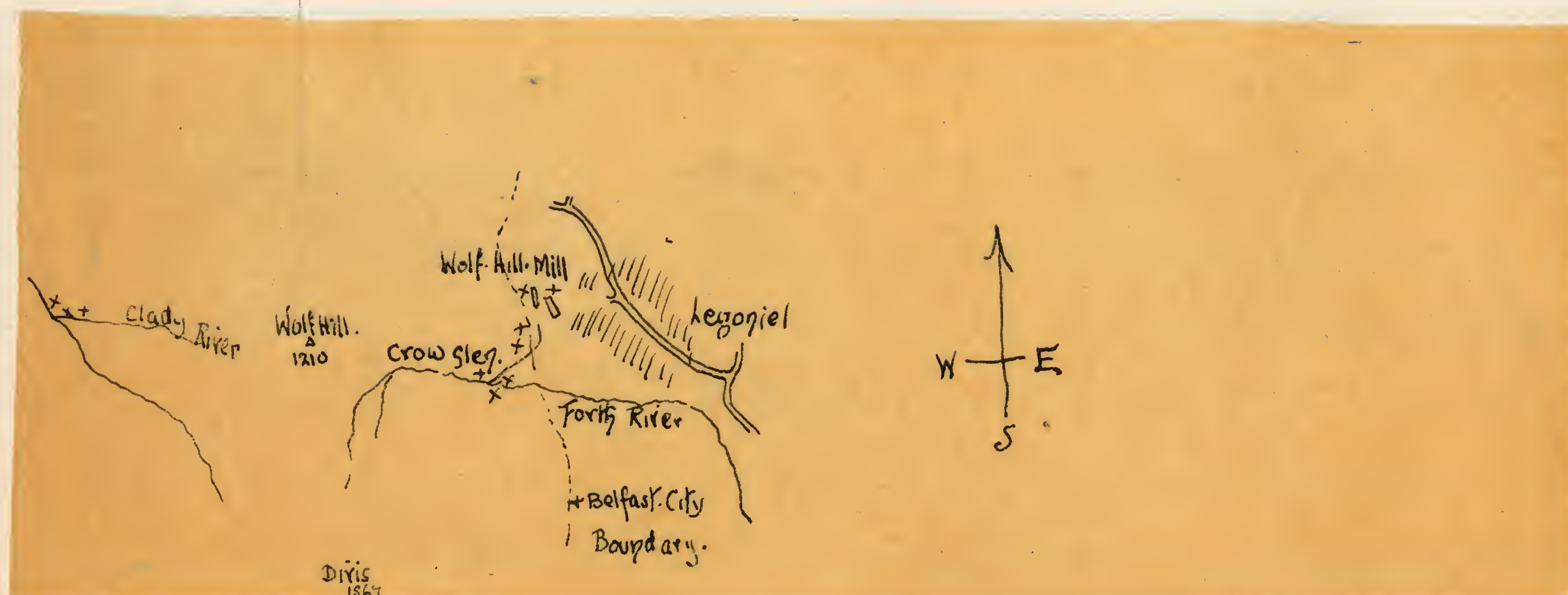
Pisidium pusillum ✓

" *nitidum*

" ~~*gossypianum*~~

" *subtruncatum*

[Ver. by A.W.S. 1-4-'16]



Magheramorne & Glyn. & Antim.
A.W.S., J.H. Milne & George Donaldson
15th Jan. 1906.
Magheramorne continued.

Limax arborum. A young specimen on New Quarry Tip.

Agriolimax agrestis. Common

" *caeris*. Near Glyn.

Vitruina pellucida. On New Tip.

Vitrea crystallina. New Tip & at Waterfall.

" *cellaria*. Common on New Tip. Dead shells very large. Animals blue.

" *nitidula*. Frequent.

" *pura*. Waterfall, rare.

Eucornutus fulvus. " " "

Arion ater. a few young.

" *subfuscus*. Railway opposite Old Tip.

" *hortensis*. Common.

" *fasciatus*. Railway bank.

Pyramidula rotundata. Common.

Helicella virgata. a large colony was found on the railway bank opposite the old quarry tip; it contained many varieties & most of the shells were inclined to be high spired.

" *capitata*. With above & also in New quarry.

Helix aspersa. young on New Tip.

" *nemoralis*. Common.

Chelonicopa lubrica. Common.

Gemmaea cylindrica. Common.

Balea perversa. One dead shell at Waterfall.

Clausilia bidentata. Common.

Catantropus

Tyrone.

Verner's Bridge, continued.

- Physa fontinalis*. Blackwater drains + very common in Canal.
Valvestrum jenkinsi. In quays, dead, on the shores of L. Neagh, in
 Washing Bay.
Pythium tentaculata. Blackwater drains, Canal + L. Neagh.
Valvata piscinalis. L. Neagh, dead.
 " *cristata*. Blackwater drain, common.
Sphaerium corneum. L. Neagh rejectamenta + Blackwater drains.
Pisidium amicum. " " " "
 " *subtruncatum*. " " " "
 " *pusillum*. " " " "

County Armagh.

- Limax arborum*.
Agriolimax agrestis.
Vitrina pellucida.
Vitrea cellaria.
 " *alliana*.
 " *nitidula*.
 " *crystallina*.
Arion ater.

- " *subfuscus*.
Pyramidula rotundata.
Hygromia hispida.
Helix nemoralis.
Palaea perversa.
Clausilia bidentata.
Succinea putris.

all collected at the west or Armagh end
 of Verner's Bridge.

Very fine, large + deep coloured.

P. amicum
P. caucasicum
P. nitidum
P. milium
P. subtruncatum
P. lilliputianum
P. kilianicum

[Ver. by G.O.S.
 1.4.16.]

Comber + Newtownards

5th Feb + 21st Jan. 1906.

+ 25th Sept. 1904.

Go Down.



Primarily from
 fresh in old bed

Limax maximus." *arborum*.*Agriolimax agrestis*." *laevis*.*Vitrina pellucida*.*Vitrea cellaria*." *alliana*." *nitidula*." *crystallina*.

Mouth of Comber River near Rough Island. 1904.

In quarry below Scrabo. 1906.

Comber + Newtownards, common.

Newtownards, common. Comber River. 1906.

Comber + Newtownards, common.

Comber, common. Scrabo. 1906.

Comber. 1904. Scrabo. 1906. Newtownards. 1904.

Comber + Newtownards. 1906.

Comber + Newtownards. 1906.

Bomber & Newtownards continued.

- Vitreola radiatula*. Near mouth of Bomber river. 1904.
 " *paucis*. Bomber & Scrabo. 1906.
Eucnemis fulvus. Newtownards. 1906.
arion ater. Bomber & Newtownards, common.
 " *subfuscus*. Bomber & Newtownards. 1906.
 " *hortensis*. Bomber, common. Newtownards. 1906.
 " *fasciatus*. Bomber & Newtownards. 1906.
Pyramidula rotundata. Bomber, common. Newtownards. 1906.
Hygromia hispida. Bomber, common. Newtownards. 1906.
Vallonia excentrica. On dyke at Newtownards. 1904.
Helix aspersa. Bomber & Newtownards. 1904.
 " *remoralis*. Bomber, common.
Bochliopa lubrica. Bomber, common.
Cypsa cylindracea. Bomber & Newtownards. 1904.
 " *muscorum*. One specimen on dyke at Newtownards. 1904.
Blausilia bidentata. Bomber & Newtownards. 1904-05.
Succinea ~~paucis~~. Bomber. 1904. Newtownards. 1906.
 " *elegans*. Bomber. 1906.
Barychium minimum. Bomber & Newtownards. 1906.
Phytia myosotis. Bomber estuary. 1904.
Anagrus flaviventris. Bomber river. 1906.
Aeroloxus lacustris. Bomber river. 1906.
Limnasia peregrina. Bomber & Newtownards, common.
 " *palustris*. Bomber, common. Newtownards. 1906. One specimen from pond near Bomber station measures, $22\frac{1}{2} \times 10$ m.m.
 " *truncatula*. Bomber & Newtownards. 1906.

also on 5-2-06 from Newtownards.
 P. caertanum
 P. nitidum
 P. personatum
 P. nitidum
 P. subtruncatum
 (Ver. by A.W.S. 10-11-16)

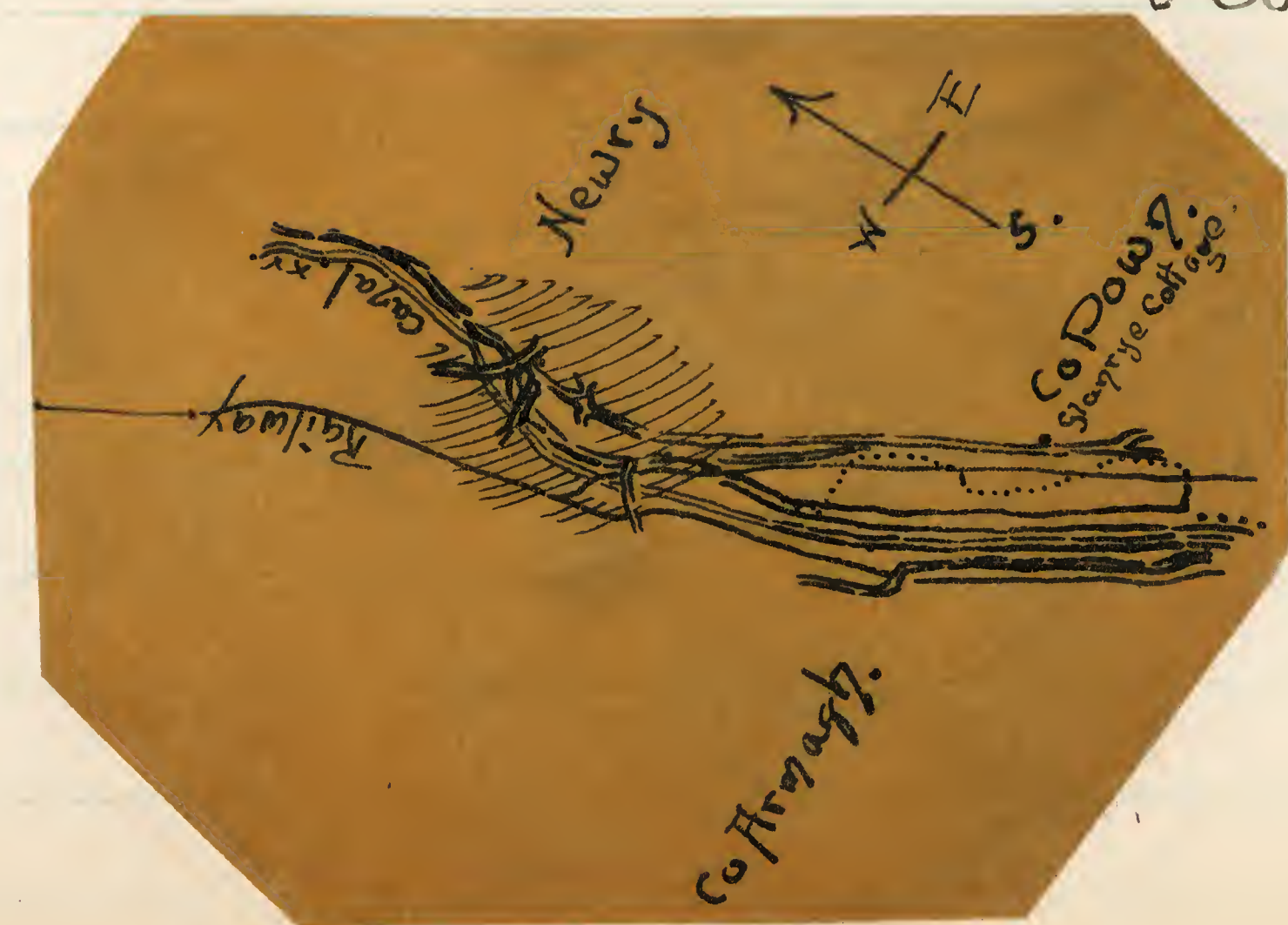
also on 5-2-06 from Bomber
Pisidium caertanum
 " *nitidum*
 " *personatum*
 " *subtruncatum*
 " *obtusale*
 (Ver. by A.W.S. 10-11-16)

Bomber & Newtownards, continued.

- Planorbis albus*. Bomber, common. Kiltonga Pond. 1906.
 " *glaber*. ^{the} ~~the~~ in Kiltonga Pond, Newtownards. 1906.
 " *crista*. Kiltonga pond, common, 1906. One near Bomber. 1906.
 " *spiralis*. Bomber & Newtownards. 1906. + 1924.
 " *contortus*. Bomber, common. Kiltonga, very large. 1906.
Physa fontinalis. Bomber. 1906.
Aplecta hypnorum. Bomber & Kiltonga. 1906.
Paludetrina stagnalis. Bomber & Newtownards. 1904.
(V. vivipara). (I could see no trace of *V. vivipara* in these localities.)
Salvata piscinalis. Bomber, common.
Sphaerium corneum. Bomber, common. Newtownards. 1906.
Pisidium pusillum ✓
 " *subtruncatum* ✓ Bomber & Newtownards. 1904. C. Oldham.
 " *gossianum* ✓ Bomber & Newtownards. 1904. C. Oldham.

Verified by A.W.S. 1916.
 See *Pisidium* register vol. 1. p. 7.

Newry, Co. Armagh & Down.
 Feb 12th 1906.



Newry continued.
to Armagh.

Feb 12-1906.

Agrionema agrestis.

Vitrea pellucida.

Vitrea crystallina.

" *cellaria*.

Euconulus fulvus.

Arion ater.

" *subfuscus*.

" *hortensis*.

Pyramidula rotundata.

Cyba cylindrica.

Clausilia bidentata.

Limnaea pereger.

" *palustris*.

Physa fontinalis.

Planorbis carinatus.

Syrthia tentaculata.

Sphaerium cornu.

Pisidium pusillum.

All under logs on bank of canal above
Barrack's Lock.

All in canal above Barracks.

All on grass.

to Down.

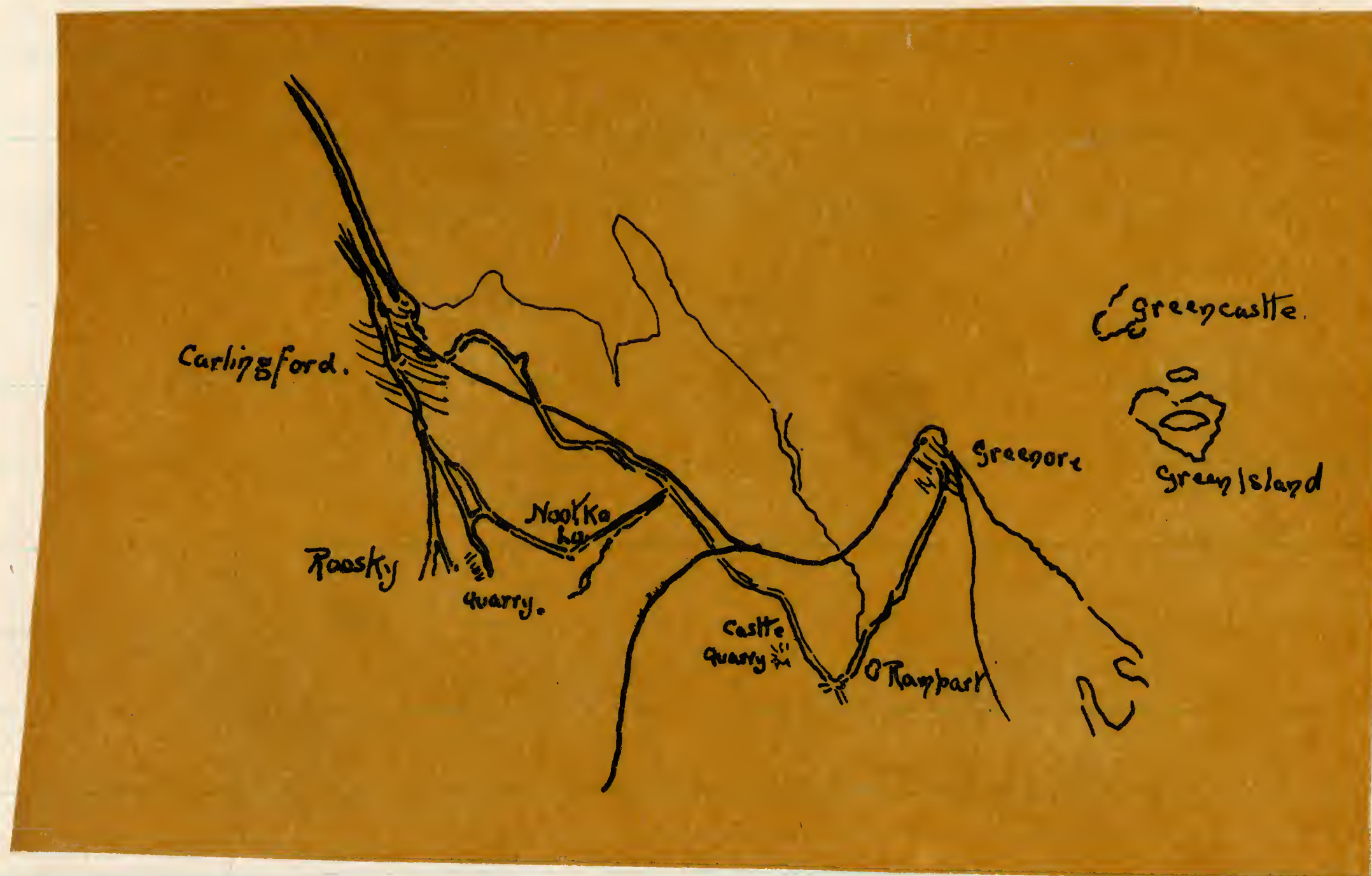
Hygromia rufescens on road to Warrenpoint.

Limnaea pereger + var. *Baissii*.

" *palustris* } In ditch between road + railway near glange etc.

Paludestris jenkinsi.

Barlingford + Greenore. Co Louth.
Feb 12th & 13th 1906.



Barlingford

Agrionema agrestis. Common in both localities.
Milax sowerbyi. One specimen at Barlingford castle.
" *gagates*. Barlingford castle + Quarries.
Vitrea pellucida. Common at Carlingford.

Vitrea cellaria " " "

" *nitidula* " " "

" *crystallina* " " "

Pyramidula rotundata " " "

Hygromia hispida Common at Quarries near Rosky.

" *rufescens*. Common.

Helicella virgata Greenore Hotel + Quarries at Ram part.

" *barbata*. Quarries near Rosky.

" *asperata*. Quarry at Ram part.

Helix aspersa. Common.

Barlingford + Greenore, continued.

| | |
|----------------------------|---|
| <i>Helix nemoralis</i> | Common. |
| <i>anion atea</i> | Barlingford Castle + Quarries near Rosky. |
| " <i>sulfureus</i> | " " " " |
| " <i>hortensis</i> | " " " " |
| " <i>fasciatis</i> | Quarries near Rosky. |
| <i>Pupa cylindracea</i> | Common. |
| " <i>muscorum</i> | Quarries near Rosky. |
| <i>Vertigo pygmaea</i> | " " " " |
| <i>Clausilia bidentata</i> | Common. |
| <i>Bochliopsis lobata</i> | Common. |
| <i>Succinea Pfeifferi</i> | Quarries near Rosky. |
| <i>Limnæa pereger</i> | Common. |
| " <i>palustris</i> | Nootka Lodge marsh + Rampart. |
| " <i>truncatula</i> | Quarries near Rosky. |
| <i>Planorbis spirorbis</i> | Rampart marsh + Nootka Lodge. |
| " <i>crista</i> | " " " " |
| <i>Valvata cristata</i> | " " " " |
| <i>Aplecta hyporum</i> | " " " " |
| <i>Cisidium pusillum</i> | Common. |

Cisidium personatum
[ver. a. w. s. 8. 12. 16]
from near Carlingford
& Rampart.

(46)
(47)

Branfield Point, Co. Down.

13th Feb. 1906.



Mostly Silurian
Gabbro Carboniferous

| | |
|-----------------------------|--|
| <i>Limnaea maximus</i> | Green Castle. |
| <i>Agriolimax agrestis</i> | Common. |
| <i>Chilodactylus</i> | Fair Green, a few only, & Green Castle. |
| <i>Vitrina pellucida</i> | Common. |
| <i>Vitrea cellaria</i> | Common. |
| " <i>alliarum</i> | Green Castle + Branfield Pt., with var. <i>viridula</i> . |
| " <i>nitidula</i> | a few near Cranfield Pt. |
| " <i>crystallina</i> | Cranfield Pt. |
| <i>Pyramidula rotundata</i> | Common. |
| <i>Hygromia hispida</i> | Common. |
| <i>Helicella vagata</i> | From Greenore Pier to Branfield Pt., common. 1st record for Co. Down. |
| " <i>barbata</i> | Common. |
| <i>Vallonia costata</i> | Common at Cranfield Pt. |
| " | |
| <i>Helix nemoralis</i> | Rare. |
| " <i>aspera</i> | Common. |

anion ater
" hortensis } common.
" fasciatus.
Bochlicopa lubrica. Common.
Pupa cylindracea "
" muscova "
Clausilia bidentata Cranfield Pt.
Vertigo pygmaea " "
Limnaea peregrina Very Rare.

List of species taken in Banquet Hall of Green
 Castle. B. This is on 1st floor.

anion ater, *a. fasciatus*, *L. maximus*, *Agriolima agrestis*,
Milax gagates, *Hydra celladina* + var. *viridula*, *Pupa cylindracea*,
Helix rotunda.



Blayney & L. Ross.
 Co. Armagh & Monaghan

Castle Blayney & Lough Mucknoo & Ross Continued.

Co. Monaghan.

14th Feb. 1906

Limax maximus. One specimen at Annadrumman.
Agriolima agrestis. Common.
" laevis. Blayney Castle.
Vitrina pellucida. Blayney Castle.
" alluvia. & var. *viridula*. Blayney Castle.
" nitidula. Blayney Castle.
" crystallina. Common.
" pura. Blayney Castle.
" radiatula. Annadrumman. One specimen only.
" nitida. A few on shore of Mucknoo Lake, Blayney Castle.
Euconulus fulvus. Blayney Castle.
anion ater. " " & Annadrumman.
" hortensis. " " "
" subfuscus. " " "
" fasciatus. " " "
Oxyanidula rotundata. Common.
Hygromia hispida. Blayney Castle & Annadrumman.
Bochlicopa lubrica. Blayney Castle.
Luccinea patula. Blayney Castle. S. Pfeiffer.
Pupa cylindracea. Very rare, one specimen at Annadrumman.
Limnaea peregrina. Mucknoo Lake & Annadrumman.
" palustris. " " "
Planorbis contorta. " " "
" carinata. Mucknoo Lake.

all planarian

Littoralean - continued.

Planorbis spiralis. Annadrumman.
Physa fontinalis. Annadrumman + Muckroo Lake.
Valvata cristata. Muckroo Lake.
Bythinia tentaculata. Muckroo Lake.
Pisidium pusillum. Muckroo Lake + Annadrumman.

(49)

to Annagh.

Agriolima agrestis. Shore of L. Ross.

" *laevis*.*Hydra nitidula**Pernidula rotundata**Hygromia hispida**Bythinia tentaculata*. L. Ross.*Planorbis carinatus*" *contorta**Limnaea pereger*" *palustris**Sphaerium cornutum*. L. Ross.*Physa fontinalis**Pisidium pusillum*. Carraghore Lough.

"

also *P. personatum* 22/11/06
 [Ver. by G.W.S. 6-4-16]
P. carinatum 8-12-16
 Annadrumman Lough!
 [Ver. G.W.S. 8-12-16]
 49A!
 14/2/06.

Portrush. Feb 27th 1906.

to Derry.

Encrinurus fulvus. One dead shell near Glenmanus.
arion ater. On bank of Glenmanus stream.
Helicella itala. Sandhills near Golf Hotel. Dead shells only.
 " *barbara*. " " " "
Hygromia hispida. Glenmanus.
Helix nemoralis. Sandhills.
Limnaea pereger. Glenmanus stream. *L. ovata*.
 " *palustris*. Very large with above.
 " *truncatula*. Glenmanus.
Pisidium pusillum. Glenmanus. —

Int also on pe.
 [Ver. G.W.S. 8-12-16]
 mostly *P. personatum*
P. carinatum (51)

to Antrim.

Agriolima agrestis. Portrush sandhills, near White Rocks.
Vitrina pellucida. " " " "
Vitrina crystallina. " " " "
 " *nitidula*. " " " "
Hygromia hispida. " " " "
Helicella itala. " " " "
 " *barbara*. " " " "
Helix nemoralis. " " " "
 " *aspersa*. " " " "
Bohlicopa lubrica. " " " "

Limnaea truncatula. In sand hill hollow about half way to White Rocks.
Pisidium pusillum. Very fine in stream below W. Young's House, White Rocks.
 = *P. carinatum* [Ver. by G.W.S. 8-12-16]

(52)

Clevedys, Lancashire. 14 July 1906

Helicella virgata
" *cooperata*
Helix nemoralis
agriolimax agrestis

all common on the clay banks facing the sea, between Northwich & Clevedys.

Næsflaten, Luldalsvand, Norway.

Limax cineris-niger. Common, young, on flat ground east of Næs Hotel.

agriolimax laevis Fairly common in the Valley.
arion ater Common. 17th July. 1906

Kjendals, Lovenvand. 21st July 1906

agriolimax agrestis
" *laevis*
Eucnolus fulvus
Vitrea radiatula
arion ater
" *circumscriptus*
Clausilia bidentata

all in scrub on north side of the valley about 1 mile above landing place + 1/2 mile from foot of Loven glacier.

Eikesdal.

arion ater common

Mindensunde. 22nd July.

agriolimax agrestis
arion ater
" *fasciatus*
agris. laevis

common on lake shore. (Stygard)

Romsdalen. July & August. 1906.

Limax arborum Common in Wood above Hotel Holgenæs.

" *cineris niger* "

" *tenellus* "

agriolimax agrestis "

" *laevis* "

Vitrea radiatula Fairly common.

Spetomella?

Eucnolus fulvus.

Vitrea pellucida.

Pyramidula rotundata.

" *ruderata*.

arion ater

" *subfuscus*.

" *fasciatus*.

Helicogona arbustorum.

Helix hortensis.

Bolea perversa.

Clausilia bidentata.

Vertigo ^{*alpestris*} ~~*pygmaea*~~.

" *pusilla*.

Sphyradium edentulum.

Limnaea truncatula.

" *purpurea*.

Pisidium nitidum?

" *amplexum*.

" *stans*.

a large number in a ruined cottage at "the farm"

a few dead shells.

Very scarce.

Also rare.

Very abundant, large & all jet black.

A few young.

Rare.

Fairly abundant on the talus below Hjelva field.

One dead, broken shell on talus, 1/4 mile below Holgenæs H.

Two specimens in the wood.

Common.

One specimen (Kernard says it is *V. parcedentata* = *cornensis*)

One specimen

Rare.

Very common near Logge Bridge.

A few in small pond opposite Romsdal Horn.

Common with the last in muddy stream

Mainly Schistose

(53)

9th Sept. 1905.

River Barrow & its shores. Co. Queen's Co.

- Agriolimax agrestis* Common
 " *lucorum*. Lee Castle Common.
Vitrea cellaria a few.
 " *nitidula* Rare, Lee Castle.
 " *crystallina* a few.
Zonitoides nitida Common at Lee Castle.
Euconulus fulvus a few only.
Arion ater Common.
Pyramidula rotundata Common.
 " *rupestris* at the bridge over River Barrow near Monasterevin.
Helicella virgata Lee Castle, common.
 " *itala* Rarer than *virgata*.
 " *capitata* Common, Lee Castle.
 " *barbata* On canal bank between Lee Castle & Portarlington.
Hygromia rufescens Common.
Callonia excentrica Common at Lee Castle.

- Helix aspersa* Lee Castle
Lochlicopa lubrica Common.
Jamnia anglica Very rare, a few on canal bank near Portarlington.
 " *cylindrica* Common
Vertigo pygmaea Lee Castle
 " *univertigo* Lee Castle
Planorbis bidentata Common
Succinea pfeifferi Common
Burgundy minimum Common

All Castlesperson

River Barrow continued

- Limnaea peregra*
 " *palustris*
 " *lagnalis*
 " *truncatula* } All common in Canal & River Barrow.
Planorbis carinata Common.
 " *contorta* Common.
 " *umbilicata* Some fine specimens in a pool near bridge over Barrow.
Physa fontinalis Common.
Bythinia tentaculata Very common.
Valvata cristata also common.
 " *piscinalis* a few.
Sphaerium cornutum Common.
Crisidium nitidum } (54)
 " *parvum* } [det. by G.U.S. 8-12-16] } all from G. Hildner (Sep. 53.)
 " *subtruncatum* } } Queen's Co. specimen missing.
 " *stans* }

River Barrow & shores. King's County. 9th Sept. 1905.

- Agriolimax agrestis* Common.
Balea perversa One dead on an old willow.
Limnaea peregra
 " *palustris* } Very common.
Physa fontinalis Common
Planorbis carinata Common
 " *umbilicata* Common.
 " *contorta* Common.
Bythinia tentaculata "
Valvata piscinalis "
Sphaerium cornutum "

Monastereven & Riv. Barrow to Peterborough. 9th Sept. 1900.

- Agriolimax agrestis* }
 " *lucida* }
Vitrea cellana } *Vitrea lucida* dead
 " *crystallina* } one specimen with H. *lucida*
Lucinella fulva } Specimen cabinet. See also 29.9.10.
Anodonta }
Pyramidula rotundata? }
 " *rupescalis* } Canal bank near Monastereven. Common.
Helicella virgata }
 " *itala* }
 " *capitata* } all very common on bank at
 " *barbata* } Monastereven.
Valonia costata }
 " *pulex* } ✓ Correct! A.W.S. 1924.
Hydrobia ulvae } Common
Helix aspersa } a few.
 " *hortensis* } Two specimens in lane leading from canal.
Bocheiopa lubrica } Common
Pupa aspidochelone } Common
 " *muscorum* } canal bank, a few.
Vertigo pygmaea } a few.
Planorbis bidentata } Common.
Gastropoda acicula } about 12 specimens under small stones on canal bank.
Planorbis minima } Common.

Monastereven continued.

- Limnaea peregra* }
 " *palustris* } all very common.
 " *stagnalis* }
 " *truncatula* }
Succinea pfeifferi }
 " }
Physa fontinalis } common.
Planorbis fontinalis } One alive & one dead in canal & at bridge.
 " *carinata* } common.
 " *alba* } Dead only.
 " *contorta* } common.
Bythinia tentaculata } Very common
Valvata cristata } Both common
 " *piscinalis* }
Sphaerium corneum } common.
 " *lucastri* } a few dead in canal.
Cerioderma pusillum } Common. [see ver. by A.W.S. 8-4-16.]
 " *nitidum* }
 " *subtruncatum* }
 " *planorbis* }
Bythinia leachi } a few specimens in canal. (R. Velch)
 NB. This is the first recorded locality for *leachi* in Ireland, but J.R. Hardy got it in this canal about 30 years ago, but did not publish his find.
Planorbis umbilicata } common in canal. drawn

10th Sept 1906.

Shore of Lough Corrib at Killbeg. N.E. Galway.

- Limax carbo* a few in Wood above pier.
Agriolimax agrestis common.
 " *laevis* on shore at pier.
Milax sowerbyi } a few of each on shore.
 " *gagates* }
Vitrea crystallina In wood common.
 " *cellaria* common.
 " *alliaris* Rare.
 " *nitidula* a few only.
 " *pura* In wood, a few above pier.
 " *radiatula* Rare.
Eucornutus fulvus common.
Zonitoides nitidus common on shore.
Arion ater } all frequent by roadside.
 " *hortensis* }
 " *fasciatus* }
Sphyradium edentulum In moss shakings.
Pyramidula rupestris } both very common.
 " *rotundata* }
Helicella virgata } all fairly abundant.
 " *asperata* }
 " *itala* }
Punctum pygmaeum Moss shakings.
Hygromia hupis } common.
 " *rufescens* }
 " *fascia* on trees in wood north of pier.

Carboniferous

Killbeg continued.

- Acanthinula aculeata* } Moss shakings in wood 2 miles north of pier.
 " *lamellata* }
Vallonia excentrica
 " }
Helix nemoralis }
 " *aspersa* } common.
Bochlogyps labris }
Brychium minutum }
Cypraea anglica a few in Moss shakings.
 " *glandulosa* common.
Balca perversa Rare.
Glansilia bidentata common.
Vertigo pygmaea common.
 " *substriata* Rare. moss shakings.
 " *antivertigo* common.
Physa fontinalis common.
Lemnaea peregrina }
 " *palustris* } all common in L. Corrib.
 " *stagnalis* }
 " *truncatula* }
Lacuna pfeifferi common.
Planorbis albus Rare.
 " *spiralis* common.
 " *contorta* common.
 " } common.
Anacypus fluviatilis fairly common.

Kilbeg continued

- Valvata cristata*
 " *piscinalis*
Bythinia tentaculata
Sphaerium corneum
Cisidium fontinale
 " *pusillum*
 " *milium*
Acme lineata
- all common in L. Corrib
 = *P. subtruncatum*
 Verified by Charles Oldham
 all correct!
 A. U. S. 8-12-16.
- In moss slakings.

Ballindooly & Clare-Galway - 13th Sept 50
N.E. Galway.

- Limax maximus*
 " *flavus*
 " *arborum*
Agriolimax agrestis
 " *lævis*
Vitrea allionii
 " *cellaria*
 " *crystallina*
Euconulus fulvus
Arion ater
 " *subfuscus*
 " *intermedius*
 " *hateris*
Helicella nigra
 " *capusta*
- Very common under coffee boards at Clare-Galway abbey.
 Ballindooly common.
 Common.
 Ballindooly
 Common.
 Clare-Galway.
 Clare-Galway common.
 Common.
 Common on roadsides.
 One (Wight) at Ballindooly.

barbiferus

Ballindooly & Clare-Galway continued.

- Helicella itala* Fairly abundant on roadsides.
Pyramidulomphala
 " *rotundata*
Hygromia hispida
Vallonia
- all very common.
- Helix nemoralis*. Clare-Galway abbey.
 " *aspera*. common.
Bochlicops lubrica
Baruchii minimum
Pupa cylindracea
Vertigo antiveritigo
Balea perversa
Clanilla bidentata
Luccinea patula
 " *pfeifferi*
Physa fontinalis
Limnaea peregrina
 " *palustris*
 " *truncatula*
 " *stagnalis*
Planorbis albus
 " *centrotus*
 " *spirostus*
 " *umbilicatus*
Valvata cristata
 " *piscinalis*
- All common.
 Ballindooly.
 Common at Clare-Galway.
 Common.
 Clare-Galway, a few near river.
 Common.
 Common.
 all common.
 Common.
 Common.
 Common.
- Heard of Charles & Glendon.
- Common.

Ballindooly continued.

Sphaerium corneum. Common.
" lacustre Abundant in drain below Ballindooly Castle.
Pisidium pumila } (59)
" milium } all in lake below Ballindooly Castle.
" fontinale } verified by Charles Oldham.
" nitida }
" sternal } Marshes east of Galway Station. N.E. Galway.
 17th Sept 06.

Agriolimax agrestis.
" ran. lilacina.
Mitax gurgates.
" sowerbyi.
Arion hortensis.
Vitrea cellaris.
Vitrea pellucida.
Pyramidula rupestris.
" rotundata.
Hygromia rufescens.
Helicella virgata.
" itala.
Helix nemoralis.
" aspersa.
Cypraea cylindracea.
Chamaelea bidentata.
Carychium minimum.

all common on the marshy ground
 between railway & sea, east of station.

Ross & Moycullen. West Galway. 12th Sept. 06.

Limax maximus. In church near station.
" arboreum. In wood on shore of L. Ross.
Agriolimax agrestis. Common.
" caesus. Common.
Vitrea pellucida. a few dead in wood.
Vitrea cellaris.
" nitidula.
" pura.
" alleius.
" radiatula.
" crystallina. } all in wood near L. Ross.
Zonitoides nitida. Common on shore of L. Ross.
Euconula fulva. Common.
Arion ater.
" hortensis.
" subfuscus. } all frequent. Var. succinea of *a. ater* was found
 near Ross station.
Pyramidula rupestris.
" rotundata. } Common.
Helicella itala. In hedges at roadside.
" caperata. Rare along the shore of lake. Common at Ross station.
Hygromia fusca. a few in wood on shore of lake.
" hispida. Common.
" rufescens. Very common.
Acanthiscabra scabra. On bark in wood.
" corollata. on trunks of trees in wood.
Vallonia pulchella. Common near small lake below Templebegnane.
 ✓ Correct! Aust. 1924.

Ballynahinch continued.

| | |
|-----------------------------|--|
| <i>Carychium minimum</i> | common. |
| <i>Vertigo lilljeborgi</i> | a few in moss at North end of lake & about 200 under stones at other end near outlet. |
| " <i>antivertigo</i> | common. |
| <i>Pupa anglica</i> | common. |
| " <i>cylindeacea</i> | common. |
| <i>Palaea perversa</i> | Rare, only a few. |
| <i>Clausilia bidentata</i> | common. |
| <i>Succinea pfeifferi</i> | common. |
| <i>Limnaea pereger</i> | } all common. |
| " <i>palustris</i> | |
| " <i>truncatula</i> | |
| <i>Planorbis spirorbis</i> | } common |
| " <i>contorta</i> | |
| <i>Bythinia tentaculata</i> | } common. (60) |
| <i>Pisidium pusillum</i> | |

Shore of Bregduff Lough Roundstone
West Galway. 12th 19th Sept. 1895

| | |
|----------------------------|--------------|
| <i>Zonitoides nitidos</i> | common. |
| <i>Euconulus fulvus</i> | common. |
| <i>Punctum pygmaeum</i> | Very common. |
| <i>Vertigo antivertigo</i> | abundant |
| " <i>pygmaea</i> | common |
| " <i>substriata</i> | a few only. |

granite

Bregduff Lough continued.

| | |
|-----------------------------|---|
| <i>Vertigo lilljeborgi</i> | a few in dead typhae rejectamenta with other <i>Vertigoes</i> . |
| <i>Pupa anglica</i> | common. |
| <i>Anagylos flavicollis</i> | common |
| <i>Limnaea pereger</i> | } all common. |
| " <i>truncatula</i> | |
| " <i>palustris</i> | |
| <i>Planorbis albus</i> | common |
| <i>Pisidium pusillum</i> | } both common. (61) |
| " <i>fontinale</i> | |

Wood above North side of Dog's Bay
West Galway 18.9.95.

| | |
|-----------------------------|------------------|
| <i>Limnaea maxims</i> | a few |
| " <i>arborum</i> | common |
| <i>Agriolimax agrestis</i> | common. |
| <i>Nithea radiatula</i> | } a few of each. |
| " <i>nitidula</i> | |
| " <i>pura</i> | |
| " <i>crystallina</i> | |
| <i>Anis ater</i> | } common |
| " <i>hortensis</i> | |
| " <i>intermedius</i> | a large number |
| " <i>subfusus</i> | } both common. |
| " <i>forciatus</i> | |
| <i>Pyramidula rotundata</i> | } common. |
| <i>Cochlicopa lubrica</i> | |

Wood above Lough Bay.

| | |
|----------------------------|-----------|
| <i>Larychium minimum</i> . | common. |
| <i>Pupa anglica</i> . | v. common |
| " <i>cylindracea</i> . | abundant |
| <i>Balea perversa</i> . | common. |

Maumeen Lough & Land Dunes. 18.7.06
West Galway.

| | |
|------------------------------|------------------------|
| <i>Limax arborum</i> . | a few near lake |
| <i>Agriolimax agrestis</i> . | common |
| com. <i>Elodina</i> . | a few on edge of lake. |
| <i>Vitrea cellaria</i> . | a few only. |
| <i>Helicella virgata</i> . | common on dunes. |
| " <i>itala</i> . | abundant on dunes |
| " <i>barbata</i> . | abundant |
| <i>Hygromia hispida</i> . | common |
| <i>Helix nemoralis</i> . | Rare. |
| " <i>aspersa</i> . | a few. |
| <i>Vertigo pygmaea</i> . | common. |
| " <i>substriata</i> . | Very scarce near lake. |
| " <i>antivertigo</i> . | common. |
| <i>Arion ater</i> . | Frequent |
| " <i>subfuscus</i> . | |
| " <i>hortensis</i> . | |
| <i>Pupa anglica</i> . | common |
| " <i>cylindracea</i> . | com |
| <i>Succinea pfeifferi</i> . | common. |

Granite.

Maumeen continued.

| | |
|-------------------------------|----------------|
| <i>Anagrus flaviventris</i> . | a few. Scarce. |
| <i>Limnaea pereger</i> . | } Common |
| " <i>palustris</i> . | |
| <i>Planorbis albus</i> . | common |
| " <i>crista</i> . | Rare. |
| " <i>spirorbis</i> . | common. |
| <i>Valvata piscinalis</i> . | common |
| <i>Limnaea truncatula</i> . | common. |
| <i>Pisidium alternans</i> . | common. |
| " <i>fortius</i> . | " |
| " <i>pusillum</i> . | " |

(62)
[Ver. by A.W.S. 8.12.16]
{
P. carinatum
P. nitidum
P. pumatum

All *Pisidium* in Galway trip.
Identified by Mr Charles Oldham.
Ballinaboy Bridge, West Galway 18.7.06.

| | |
|-------------------------------|-----------------------------|
| <i>Vitrea cellaria</i> . | a few. |
| <i>Arion ater</i> . | common |
| <i>Cyranidula rotundata</i> . | common. |
| <i>Hygromia rufescens</i> . | common |
| <i>Vertigo pygmaea</i> . | a few. |
| <i>Pupa anglica</i> . | one specimen. |
| " <i>cylindracea</i> . | common |
| <i>Planorbis albus</i> . | common |
| <i>Bythinia tentaculata</i> . | common. |
| <i>Pisidium nitidum</i> . | { [Ver. by A.W.S. 9.12.16.] |
| " <i>pumatum</i> . | |

(62A)

Inishmacdara, West Galway. 18th Sept 06.

| | |
|-----------------------------|-------------------------------|
| <i>Vitrea pellucida</i> | one or two alive & some dead. |
| <i>Amalia gazetes</i> | a few near church. |
| <i>Agriolimus agrestis</i> | common. |
| " <i>lavis</i> . | In marsh near church. |
| <i>Vitrea cellaria</i> | common |
| " <i>nitidula</i> | a few. |
| <i>anion ater</i> | Rare. |
| " <i>subfuscus</i> . | Rare. |
| " <i>hortensis</i> . | Frequent. |
| <i>Pyramidula rotundata</i> | common |
| <i>Punctum pygmaeum</i> | common in marsh & rocks. |
| <i>Helicella itala</i> | common |
| " <i>acuta</i> | common. |

| | |
|-----------------------------|--|
| <i>Vallonia</i> | a few = <i>pulchella</i> & <i>eccentrica</i> . G.W.S. 1924 (with also fide Hugh Watson!) |
| <i>Hygromia hispida</i> . | common. |
| <i>Helix nemoralis</i> . | common |
| " <i>aspersa</i> . | common. |
| <i>Bochlicopa lubrica</i> . | common. |
| <i>Vertigo pygmaea</i> . | common |
| " <i>substriata</i> . | a good few in marsh. |
| <i>Cypraea cylindracea</i> | common |
| <i>Bolea perversa</i> . | Rare on chalk walls. |
| <i>Limnaea truncatula</i> . | In marsh |

granite

Carawalla Pt, Dog's Bay. W. Galway. 19th Sept.

| | |
|----------------------------|------------------------|
| <i>Agriolimus agrestis</i> | |
| <i>Milax gazetes</i> . | a few |
| <i>Vitrea pellucida</i> . | a few dead, one alive. |
| <i>Agriolimus lavis</i> . | |
| <i>Vitrea cellaria</i> | |
| " <i>nitidula</i> | Rare. |
| <i>anion ater</i> | |
| " <i>hortensis</i> | |
| " <i>subfuscus</i> . | |
| <i>Helicella itala</i> | |
| " <i>virgata</i> | |
| " <i>acuta</i> | |

| | |
|--------------------------|--|
| <i>Hygromia hispida</i> | |
| <i>Helix nemoralis</i> . | |
| " <i>aspersa</i> . | |

| | |
|-----------------------------|-------------|
| <i>Vallonia</i> | |
| <i>Bochlicopa lubrica</i> . | |
| <i>Carychium minimum</i> | |
| <i>Vertigo pygmaea</i> | |
| " <i>substriata</i> | Rare |
| " <i>antivertigo</i> | |
| " <i>angustior</i> . | Abundant. |
| <i>Cypraea cylindracea</i> | |
| " <i>aplicia</i> . | Very common |

| | |
|---------------------------|----------------|
| <i>Succinea Pfeifferi</i> | |
| <i>Aplecta hypnorum</i> . | Rare in pools. |

all the rest were common.

granite

Carasalla continued.

Limnaea peregra
" *truncatula*.

Common in pools.

Gorteen Pt Dog's Bay. 15th & 17th Sept.

Vitrea pellucida

a few dead.

Vitrea radiatula

common.

" *pura*.

Scarce.

Apriolonia laevis

common.

" *apertis*.

common.

Milox geyseri.

a few.

Arion ater

common.

" *hortensis*

common.

Sphyradium edentatum

a few in moss slabs.

Punctum pygmaeum

Very frequent.

Pyramidula rotundata

common.

Helicella itala

common.

" *vigata*

common.

Dog's Bay. Not a point.

" *tubus*.

common.

Hygromia hispida

common.

" *infersa*.

common.

Valtonia costata

Very scarce.

" *pulchella*.

Common.

✓ Correct - A.W.S. 1924.

Helix nemoralis

common.

" *aspera*

common.

Acanthinula aculeata

a few only.

bachicopa lubrica

common.

bauphium minus

common.

Bolax perversa.

Frequent on stone walls.

granite

Gorteen Pt continued.

Clausilia bidentata

Rare.

Vertigo pygmaea

common.

" *substriata*

Frequent.

" *antivertigo*

common.

" *tillyus*." *angustior*.

In abundance under stones in marshy places.

*Pupa anglica*With *V. angustior* very common, dark & large." *cylindracea*.

common.

Succinea pfeifferi.

common.

Physa hyalina.

common & very large in pools.

Limnaea peregra." *palustris*

all common

" *truncatula*.*Planorbis cristata*

common.

" *spirorbis*.

abundant.

Acicula lineata

a few in moss slabs.

Psidium pusilla

common.

" *subtruncata*.

common.

P. carstonum.*P. nitidum*.*P. personatum*.*P. milium*.*P. subtruncatum*.

[Ver. by A.W.S. 8-12-16.]

(63)

Irishmore, Aran Islands, Clare. 11th Sept. 06

| | |
|-----------------------------|--|
| <i>Agriolimax agrestis</i> | common |
| <i>Milax sawentzi</i> | Near harbor. |
| " <i>gagates</i> | North west of harbor |
| <i>Vitrea pellucida</i> | a few alive. |
| <i>Vitrea cellaria</i> | common. |
| " <i>allensis</i> | common. |
| " <i>crystallina</i> | ✓ a few each. |
| " <i>radiatula</i> | |
| <i>Eucosinus fulvus</i> | common. |
| <i>Zonitoides nitida</i> | a few |
| <i>Anisus ater</i> | common |
| " <i>lortensis</i> | common |
| <i>Helicella capensis</i> | Rare. |
| " <i>virgata</i> | Common |
| " <i>itala</i> | Common |
| " <i>barbata</i> | common. |
| <i>Pyramidula rotundata</i> | common |
| " <i>rusticella</i> | common. |
| " <i>var. alba</i> | a few under trees below village. |
| <i>Hypnomia hispida</i> | common |
| " <i>rufescens</i> | common |
| <i>Vallonia excentrica</i> | a few. = <i>pulchella</i> + <i>excentrica</i> ! A.W.S. 1924 (both also fide Hugh Watson) |
| <i>Helix aspersa</i> | common |
| " <i>var. exaltata</i> | (Stander?) one specimen. |
| " <i>neurolepis</i> | common. (Stander). |
| <i>Bohlicopa lubrica</i> | common. |

Cantabrigia

Irishmore continued.

| | |
|-----------------------------|---|
| <i>Vertigo pygmaea</i> | Very common |
| " <i>antivertigo</i> | very common . Rare. |
| <i>Pupa cylindracea</i> | common |
| <i>Glausilia bidentata</i> | common. |
| <i>Paludastrea ventrosa</i> | common in salt lake North of harbor |
| " pinkensis ? | very doubtful . Only a tunnel form of <i>ventrosa</i> . [A.W.S. 1916.] |
| | Dryfeda + Sand Dunes at Mouth of Bogue. Co. Meath 20 th Sept. 06. |
| <i>Agriolimax agrestis</i> | common. |
| <i>Milax sawentzi</i> | a few very large. |
| <i>Vitrea cellaria</i> | common. |
| " <i>lucida</i> | common on embankment 1/2 mile east of viaduct. |
| " <i>pura</i> | a few. |
| <i>Anisus lortensis</i> | common |
| " <i>subfuscus</i> | Rare |
| " <i>fuscus</i> | Rare. |
| <i>Helicella barbata</i> | common |
| " <i>virgata</i> | common |
| <i>Pyramidula rotundata</i> | common |
| " <i>rusticella</i> | common |
| <i>Vallonia excentrica</i> | common. |
| <i>Hypnomia hispida</i> | common. One semi-scalaiform dead in riv. bank. |
| " <i>rufescens</i> | common |
| <i>Helix neurolepis</i> | common |
| " <i>aspersa</i> | common |
| " <i>pisana</i> | Very common <i>var. alba</i> . on coast sand-dunes. |

Cantabrigia

Drogheda continued.

- Bochlicopa lubrica* Common.
Carychium minimum common.
Vertigo pygmaea One specimen.
 " *antivertigo* One specimen.
Purpa muscorum Very common with *H. lucida*.
 " *cylindracea* common.
Blausilia bidentata common.
Luccinea putris Some fine specimen on bank of river.
 " *pfeifferi* a few dead in repositamenta.
Galudestrina jenkinsi Under viaduct.
 " *stagnalis* In river.
Physa myzotis a few dead on embankment.
Limnaea truncatula common.
Planorbis carinatus } Repositamenta
Valvata piscinalis } only. } 7

Islandmagee 26th Dec. 1906.

Bulimus obscurus In chalk south of Hills Port near the water holes.

Vitreina pellucida common crawling on snow.

Hygromia hispida alive common.

Vertigo pygmaea One spec. in marsh south of Hills Port.

Helix rupestris common in crevices of the chalk at Hills Port.

Antarctica

Armagh & district — Millford & Nava Fort.
13th April 1907.

- Limax maximus* One at Ballynabone Bridge.
" flavus One specimen on Millford road.
Agriolimax agrestis Common at Ballynabone & Nava Fort.
" laevis One on edge of small lake below Nava Fort
 hereafter called Nava Lough.
Milax gagates a few on Millford road with *L. flavus*.
Vitrina pelloides Nava & Ballynabone, dead.
Vitrea crystallina "
" cellaria common & very large in both localities
" nitidula 1 dead at Ballynabone.
" pura common in moss at Ballynabone.
" radiata a few at Ballynabone.
Lumulus fulvus One at Nava Lough. R.W.
Arion ater common at Nava & Ballynabone
" subfuscus "
" intermedius Ballynabone only.
" lutescens "
" fuscipes Both localities.
Pyramidula ^{notidula} ~~notidula~~ common everywhere.
Hygromia hispida common in both localities & on *hispida*
" rufescens On old road near nursery.
acanthina aculeata One on bluff above Nava Lough.
Valvonia excentrica One edge of Nava Lough.
Helicigona arbustorum Several dead & 1 alive in fosse of Nava Fort.
 Discovered here about 10 years ago by J. N. Mills.

Cartoniferous
Murex

Armagh continued.

- Helix aspersa* Ballynabone & Nava.
" nemoralis Nava Fort. Some nice varieties.
Collicopse lubrica Ballynabone & Nava Lough.
Jamnia cylindrica common.
Planorbis bidentata common.
Luccina pfeifferi a few dead in drain from Nava quarries.
baughi mini Ballynabone.
acrolonx leucostriatus Ballynabone & Millford Road.
Limnaea peregrina common. Var. *vata*.
" palustris common. Ballynabone & Nava Lough.
" stagnalis Ballynabone & Millford Road.
" truncatula Nava Lough.
Planorbis albus Ballynabone, Millford Road & Nava quarries.
" cristata Ballynabone, fine specimens.
" umbilicatus Very large in drain on Millford Road
" contortus 1/2 a mile before Ballynabone Bridge.
 common in all localities.
" fontana Ballynabone & Nava quarries.
Physa fontinalis Millford Road & Nava Lough.
Bythinia tentaculata common. Very obese form.
Valvata piscinalis only at Nava Lough.
" cristata common.
Sphaerium cornu common.
Cisidium subtruncatum ✓
" pusillum ✓ [G.W.S. 1916]

67

Bramhall, Cheshire. Dec. 1905.

Arion ater
Agrio. apertis.
Pyramidula rotundata.
Vitrea pellucida.
Vitrea nitidula.
 " *pura.*
 " *alliaris.*
Arion fasciatus.

All in Robin's Lane.

Tinea

Hazfield, Derbyshire. Dec. 1905.

Hygromia hispida.
Vitrea alliaris.
 " *nitidula.*
Vallonia excentrica.
Limnaea peregr.
Planorbis albus.
Pisidium

Pisidium nitidum.
 " *pusillum.*
 " *subtruncatum.*
 [Ver. by G.W.S. 1916.]

~~casertanum.~~ [Ver. by G.W.S. 1916.]

New Malden, Surrey. Dec. 1905.

Clavus lid.
Aplecta hypnum.

Melastoma f.

Richmond Park, Surrey. Dec. 1905.

Limnaea peregr.
 " *palustris.*
 " *stagnalis.*
Planorbis albus.
 " *vortex.*

Pisidium casertanum.

" *milium.*

" *subtruncatum.*

[Ver. by G.W.S. 1916.]

Hog's Mill River, near Malden, Surrey.

Dec. 1905.

Limnaea peregr.
 " *palustris.*
 " *truncatula.*
Planorbis vortex.
 " *umbilicatus.*
 " *spirochis.*
 " *contortus.*

Physa fontinalis.

Valvata piscinalis.

Bythinia tentaculata.

Neitima flav.

Sphaerium cornu.

Pisidium pusillum.

Casertanum [Ver. by G.W.S. 1916.]

Guildford & Halford. Dec. 1905. Lurvey.

Anis subfuscus.
 " *hortensis*.
Agrio. agrestis.
 " *lavis*.
Vitrea pellucida.
Vitrea cellaria.
 " *rogersi*.
 " *allianis*.
 " *nitidula*.
 " *crystallina*.
Pyronoid. rotundata.
Vallonia costata.
Helix aspersa.
 " *hortensis*.
 " *cantrana*.
 " *nervosa*.
Hygromia hispida.
 " *infersa*.
Helicella virgata.
 " *capitata*.
Rafinesquina.
 " *aphidacea*.
Clavella bidentata.
Bohliopsis lobata.
Planorbis spiralis.
 " *contorta*.
 " *antibialis*.

one spec. in canal. *Planorbis* in pond.

Guildford continued.

Aplecta hypnorum.
Linnæa peregrina.
 " *palustris*.
Cyclotoma elegans.
Psidium pusillum.

Linnæa peregrina.
Psidium pusillum.

Small river near Coombe. Lurvey.
 "Beverly Brook"

Witleton Common, Lurvey.

Dorking & Box Hill. Dec. 1905
 Lurvey.

Anis subfuscus.
 " *fasciatus*.
Agrio. agrestis.
Vitrea nitidula.
Helix rotundata.
 " *ponatica*.
 " *aspersa*.
 " *nervosa*.
 " *hortensis*.
 " *cantrana*.
 " *infersa*.

Dorking continued.

Helix hispida.
" *itala*.
" *cooperata*.
Ponatia elegans.

Ewell & Banstead. 14.10.06.

Surrey.

Helicella itala.
" *cooperata*.
" *virgata*.
" *cantiana*.
Helix rufescens.
" *hispida*.
" *costata*.
" *aspera*.
" *hortensis*.
Vitrea cellaria.

Norbury. 20.10.06. Surrey.

Helix virgata.
" *cooperata*.

Helix rufescens.
" *aspera*.

Helix hispida.

Baselton. Surrey. 20.10.06.

Luton & Banstead. 21.10.06.

Vitrea cellaria.
Helix virgata.
" *cooperata*.
" *cantiana*.

Guildford, Sher & Marnow. Surrey. 22.10.06.

Agriol. agrestis.
Arion hortensis.
Vitrea cellaria.
" *nitidula*.
Helix rotundata.
" *virgata*.
" *cooperata*.
" *itala*.
" *cantiana*.

one spec of *H. leipensis*.

" *neuralis*.
" *hortensis*.
" *aspera*.
" *hispida*.
" *rufescens*.
Eva obscura.
Valeria excentica.
Limnaea peregra.
Planorbis contorta.
" *unifilicata*.
" *spiralis*.
Physa font.

INSET. List of shells taken in deposit (? or drift) on bank of River Thames between Putney and Mortlake, Surrey. A. W. S. Oct. 1906.

Hydrobia cellaria (?), *Hydrobia hispida* and *H. rufescens* (recent), *Limnaea peregra*, *L. palustris*, *L. auricularia* & *L. truncatula*, *Planorbis glabra*, *P. contorta*, *P. stroemii*, *P. venter* (recent), *P. carinata* (recent), *Vermetus planiculus*, *Brithymia tentaculata*, *B. leachi*, *Valvata pinnalis*, *Paludina vivipara* (one specimen full of young), *Physa cornuta*, *Physa amnicola*, *P. casertana*, *P. munda*, *P. lemmoniana*, and *P. pusilla*, *Unio pictorum* and *Unio tumida* (?). [A. W. S. 1916] 63A

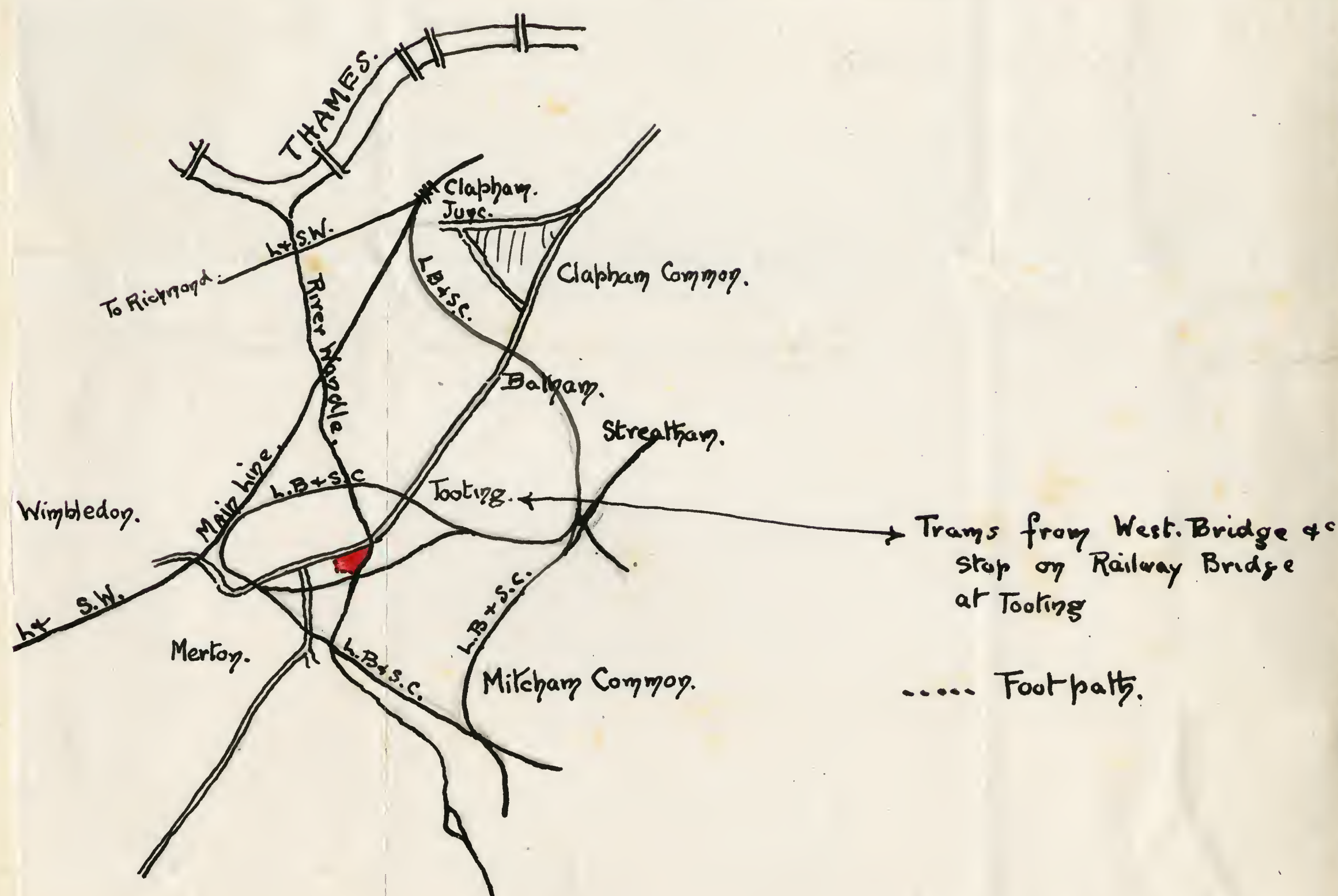
Valvata piscinalis.
Psidium

Guildford continued.

(64)

Merton near Tooting - Surrey. 3.11.06.

Limax arboreus.
Agriolimax agrestis.
 " *lævis*.
Vitrea crystallina.
 " *alliaris*.
Zon. nitida.
Arion ater.
Helix rotundata.
 " *lævis*.
 " *refusa*.
 " *aspersa*.
Coch. lubrica.
Luccina patris.
Limnaea peregrina.
 " *palustris*.
 " *stagnalis*.
 " *truncatula*.
Planorbis albus.
 " *corneus*.
 " *umbilicatus*.
 " *fontanus*.



Merton - continued.

Pl. rostris.
 " *contortus*.
Physa font.
Byth. tentaculata.
 " *leachii*.
Valvata cristata.
 " *piscinalis*.
Meretrix fluv.
Sphaerium cornu.
Psidium pusilla.
 " *fontinale*.

(65)

The only *Psidium* I can find in my collection from this locality are *P. obtusale*, tumid form. *P. subtruncatum*, small form.

Leatherhead, Dorking, Box Hill & Headley.
 R. Patrick's Bog 1957.

Arion hortensis
 (*Amalia gapatis*) One on footpath in South Larkett Road. S.W. Surrey.
Agriolimax agrestis.
Vitrea pellucida.
Vitrea cellaria.
 " *rogersi*.
 " *alliaris*.
 " *nitidula*.
 " *para*.
 " *crystallina*.
 " *fulva*.

Boxhill continued.

Helix rotundata
 " *aculeata*
 " *lapicida*
 " *poratissima*
 " *aspera*
 " *memoralis*
 " *hortensis*
 " *rufescens*
 " *hispida*
 " *itala*
 " *virgata*
 " *capitata*
 " *cantiana*
Ena obscura
Pupa muscorum
Corychi min.
Blasilia bidentata
 " *laminata*
Coch. lubrica
Pom. elegans
Phrygania edentata

Helix arbustorum
Anodonta cygnea
Unio pictus

Walton or Flanes. Feb. 07. June.

Merton, near Footing, Banstead & Carshalton
 June. 21. 4. 07.

Arion ater
 " *intermedius*
 " *hortensis*
Agrion agreste
 " *laris*
Vitrea cellaria
 " *rogersi*
Helix rotundata
 " *excentrica?*
 " *aspera*
 " *memoralis*
 " *arbustorum*
 " *cantiana*
 " *rufescens*
 " *hispida*
 " *capitata*
 " *itala*
Coch. lubrica
Luccina patina?
Planorbis albus
 " *vortex*
 " *umbilicatus*
 " *conicus*
 " *contortus*
Physa font.

Banstead
 Near Banstead.

Merton 6^c continued. 21.4.07.

Limnaea peregrina
 " *palustris*
 " *stagnalis*
Byth. tentaculata
 " *leachii*
Valvata piscinalis
 " *cristata*
Sphaerium corneum
Pisidium milium
 " *fontinale*
 " *pusillum*

Arion ater
Agriol. agrestis
Vitrea allanua
 " *rogersi*
 " *nitidula*
Helix rotundata
 " *lispida*
 " *roscacea*
 " *menoides*
 " *artusum*
 " *aspera*
Coch. lubrica
Lacerta patris

(68) See 65 p 82.

Merton near Fothering. 27.4.07.
and S. & C.P.H.

Merton continued. 27.4.07.

Planorbis albus
 " *rotter*
 " *spinalis*
 " *contortus*
 " *umbilicatus*
 " *corneus*
Physa font.
Aplexa hypnorum
Limnaea peregrina
 " *palustris*
 " *stagnalis*
 " *truncatula*
Byth. tentaculata
 " *leachii*
Carychium
Valvata piscinalis
 " *cristata*
Sphaerium corneum
Pisidium
 " *milium*
 "

(69) See 65 p 82.

Box Hill. 28.4.07. Lurey.

Vitrea crystallina
" radiatula
" pura
" allaria
Coccilioides aculea
Vitrea pellucida

Lake Trail S.W. of Lingfield, Lurey.
 7.5.07.

Planorbis spiralis
Vitrea nitidula
Coch. lubrica
Helix hispida
Carychium min.
Pisidium pusillum

(70)

Box Hill. 5.5.07. Lurey.

Helix pomatia

Arion hortensis
Agriol. agrestis
Vitrea crystallina
" cellaria
Helix rotundata
Coch. lubrica

Godstone, Lurey. 14.5.07.

Godstone continued.

Pomatiopsis elegans
Limonium peregrinum
Sphaerium complanatum
" lacustre

Helix hispida
" hortensis

Westerham Heath West. 14.5.07.

Kew Gardens & embankment to Richmond
 AWS & CPH. Lurey. 25.5.07.

Arion ater
" hortensis
Agriol. agrestis
Vitrea cellaria
" nitidula
Helix aspersa
" hortensis
" nemoralis
" rufescens
" hispida
Coch. lubrica
Succinea elegans
Planorbis fontanus
" albus
" rotator
" carinatus

Kew continued. 25.5.07.

Planorbis umb.?" *corneus*." *contortus*.*Physa fontinalis*" *acuta*?*Limnæa peregr.*" *palustris*." *stagnalis*.*Vivipara vivipara**Bythinia tentaculata*" *leachi*.*Valvata cristata**Anodonta cygnea*.*Sphaerium corneum*." *lacustre*.*Psidium kendallianum*.

(71)

Blayton. Sussex W. 3.3.07.

Helix rigata." *asperata*." *nemoralis*." *cantiana*." *rufescens*.*Vitrea nitidula**Coch. lubrica*Tunnel
near Brighton

Rye. Sussex East. (Sat. Whit. 1907)

*Arion intermedius**Agrio. agrestis*.*Vitrea cellaria*.*Helix hispida*" *rufescens*." *rotundata*." *rigata*." *asperata*." *cantiana*." *hortensis*." *aspera*.*Purpura cylindracea*.*Planorbis spiralis*." *umbilicatus*.*Bythinia leachi*.*Limnæa peregr.**Psidium*

(72)

Winchelsea. Sussex East. Mon. Whit. 1907.

Arion ater" *intermedius*.*Agrio. agrestis*.*Vitrea*

"

"

Winchelsea, continued.

Helix rotundata
 " *aspera*.
 " *hortensis*.
 " *canthiana*
 " *virgata*
 " *hispidula*
 " *rufescens*.
Purpa cylindracea
Clausilia *bid.*
Planorbis umbilicata
Physa fontinalis
Limnaea peregrina
 " *palustris*.
Bythinia leachi
 " *lenticulata*

Helix excentrica
Purpa muscorum.
Succinea Pfeifferi.
Planorbis cristata
 " *spirorbis*.
Paludostoma vestrae.
Vitrea alliana
 " *cellaria*
 " *nitidula*

Walland Marsh, Sussex East. Sun. Wm. 1907.

Walland Marsh cont.

Limnaea truncatula

Walland Marsh. Kent East. Whit. Sunday 1907.

Arion intermedius
Agrius agrestis.
Vitrea cellaria
Helix excentrica
 " *aspera*
 " *nemorialis*
 " *hispidula*.
 " *hortensis*
 " *rufescens*.
 " *virgata*
 " *canthiana*.
Purpa cylindracea
Coch. lubrica
Succinea Pfeifferi
Planorbis cristata
 " *spirorbis*
 " *vortex*.
 " *umbilicata*
Physa font.
Limnaea peregrina
 " *palustris*
 " *stagnalis*.

Walland Marsh. Kent. cont.

Bythinia leachi
 " *tentaculata*
Valvata cristata
 " *piscinalis*
Sphaerium comen.
Psidium pusillum
 "

(73)

Unio continued Sussex F.

Valvata piscinalis
Sphaerium comen.
 " *lacustris*
Psidium pusillum

Anion hortensis
Limonax mofinax
Agrius agrestis
Vitrea cellaria
 " *nitidula*
 " *crystallina*
Pelidnota rotundata
 " *aspera*
 " *nemorialis*
 " *curtiana*
 " *infersa*
 " *hispida*

Northfleet & Greenhithe. Kent West

AWS + CPH

Northfleet cont.

Helix virgata
 " *capitata*
Eua obscura
Clausilia rolfii
 " *laminata*
Succinea elegans
Planorbis spiralis
 " *umbilicata*
 " *contorta*
Limnaea peregrina
 " *palustris*
 " *tumescens*
Pomatias elegans
Bythinia leachi
 " *tentaculata*
Peludestum reclusa
 " *jirkinsi*
 " *stagnalis*
Sphaerium comen.

Hampton Court & Bushy Park
Middlesex. 8 June 1907.

Agrio. agrestis.
Vitrea nitidula
Planorbis cornuus.
" *vortex*
" *carinatus*
Physa fontinalis
Limnaea peregra
" *auricularia*
" *stagnalis*
Byth. tentaculata
Sphaerium cornu.

Winkleda Common. 12. June 07.
Sussex.

Helix aspersa.
" *cantiana.*
" *hortensis.*
" *lispida.*

Chickster, Bots Grove & 15.21 St June 07.
Sussex West.

Vitrea nitidula.
~~*nitidula*~~
" *alliarum*
" *cellaria.*
" *nitida*
" *pura.*
" *radiatula*
Helix rotundata
" *virgata*
" *hortensis*
" *aspersa*
" *rufescens*
" *lispida*
" *capitata*
" *excentrica*
Coch. labria
Carychium min.
Purpa cylindrica
Clavilina bidentata
Succinea elegans.
Aplecta hypnum
Physa fontinalis
Limnaea peregra
" *palustris*
" *truncatula*

Dead specimen near

Bickostre continued.

Planorbis albus
 " crista
 " vortex
 " spirorbis
 " contortus
 Byth. tentaculata
 Valvata ^{leachii} cristata
 " pinnatis
 Cyclotoma elegans
 Pisidium

(74)

Evesham, Worcestershire. June 27.
 Anion hortensis.
 Agrio. apertus.

Nitua cellaria
 " nitidula
 Helix costata
 " rufescens
 " nemoralis
 " cantiana
 " rugata
 " hispida
 " "
 Ena obscura
 Coch. lubrica.
 Limnaea peregrina
 " truncatula
 Succinea Pfeifferi
 " elegans.

Evesham continued

Planorbis vortex
 " albus
 " fontana
 Viripara vivipara
 Sphaer. vivicola
 Anodonta cyanea
 Byth. leachii.

Succinea Pfeifferi
 Limnaea palustris
 " peregrina
 " truncatula
 Planorbis vortex
 " umbilicalis
 Sph. cornu.
 Byth. tentaculata

Nitua nitidula
 " cellaria?
 " crystallina?
 Helix orientalis
 " hispida.
 " cantiana.
 " aspersa.

Leeksbury, Gloucestershire. Jan 27

Bolchester, Essex North. ~~Feb 27~~
 14.1.07.

Return to

A.W.S.

Pisidia taken during the Cork Conference by A.W.S.

| Box No. | Locality. | County | Species. |
|---------|---------------------------------|------------|--|
| 1. | Ballyphehane. ✓ R | Cork Mid. | <i>P. obtusale</i> + <i>P. pusillum</i> |
| 2. | Youghal. ✓ R | Cork East. | <i>P. pulchellum</i> (one of the young specimens hardly seems the same but being immature had perhaps best be passed) |
| 3. | Carrirohane. ✓ R | Cork Mid. | (1) <i>P. milium</i> (2) <i>P. pusillum</i> |
| 4. | Ballinspittal, near Kinsale. | Cork West. | <i>P. milium</i> |
| 5. | Rostellan, Aghada. | Cork East. | <i>P. pusillum</i> |

7

Kerrman Kerry

U. subdula 1

" *tuberculata* 11

8

Kellamney Kerry

U. lucida 1

" *tuberculata* 2

" sp. 1

9. Longh nagamura Kerry S
Lim. ovalata.

The favour of your inspection will oblige,

Yours respectfully,

I. & R. MORLEY.

Colleferia continued.

Aerolobus lacustris.
Limnaea peregrina.
 " *auricularia*.
 " *truncatula*.
Valvata cristata.
 " *piscinalis*.
Planorbis albus.
 " *vortex*.
Byth. tentaculata.
 " *leachii*.
~~*Physa fontinalis*~~.
Physa ~~*fontinalis*~~ *confusa*.
Physa *amnicola*.

Ballyphehane Bog, near Cork City
 Cork Mid.
 11th July.

Limnaea peregrina. A small globose form.
 " *truncatula*. Very common.
 " *palustris*. Two forms, one of a good size & normal, the other small, attenuated but apparently fully grown, which may have been taken for *L. glabra* in former times. (See I.N. Sept. 07.)
Planorbis spirorbis. Common. A small form.
Aplecta hypnorum. A small thin form common in the shallow bog drains.
Physa fontinalis. Common.
Valvata piscinalis. Not common & young.
Physa *piscinalis*. Common. (75)
 " *obtusula*. Only a few taken, but probably common.
Arion ater.
 " *intermedius*.
 " *subfuscus*.
 " *hortensis*.
Agriolimax agrestis.
 " *laevis*.
 Succinea patula. Common & fairly large.
 " *Heuffelii*. Common.
Coch. lubrica. Common.
Carychium min. Common.
Pupa cylindrica. Common.
Vertigo pygmaea. One specimen only under a stone near railway.

Ballyphedane continued.

- Hyalinia cellaria* common.
 " *nitidula* One var. helmi near cottage.
 " *alliaris* common.
 " *lucida* One dead in cottage wall.
 " *fulva* One spec. with *V. pygmaea*.
Helix nemoralis common along base of walls.
 " *aspera* Very fine series of forms with last sp.
 " *rufescens* common.
 " *rotundata* common.
 " *capitata* Rare.
 " *rustica* common on all walls.

Old Quay. Cork City. (Milan & Standen)
 12th July.

- Arion ater* Vars. *succinea* & *burnsea*. no type.
 " *hortensis*.
Hyalinia cellaria.

Youghal. Bog south of railway. Cork E.
 12th July.

- Limnaea palustris* common
 " *auricularia* collected by F. Balfour Brown.
 " *peregrina* common.
Physa fontinalis common.
Pisidium pulchellum Only a few taken. J. H. Taylor.
Arion subfuscus common.
Agriolimax agrestis common.

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P. caerulea
P. nitidula

G.W.S.
 14/12/16

Youghal Bog continued.

- Vitrea pellucida* Dead sp. common along the promenade (in grass).
Helix aspersa common.
 " *capitata* a few only.
 " *italica* In one spot on bank very common.
 " *virgata* common.
 " *acuta* common.
 " *nemoralis* Fairly common in old church yard.
 " *excentrica* ^{Correct! G.W.S. 1924.} On promenade, at roots of grass.
Clavilix bidentata Very abundant at old church.
Purpura muscorum Two sp. on railway bridge.
 " *cylindracea* common.
Coel. lubrica common.
Caudo. min. common.
Succinea ely? common.
Paludestria jenkinsi very common.
 " *ulvae* common.
Vertigo pygmaea Rather scarce.

Glerdine. Co. Waterford. 12th July. 07.

- Limnaea aurum*
 " *maxima* Var. *bifasciata*
Arion ater Var. *burnsea*.
 " *faggiata*
 " *intermedia* Not uncommon in wood.
Zon. excavata Var. *vitrea*. (no type).

Glendine continued

- Hyalina alliana*
 x " *crystallina*
 x " *fulva*
Helix nemoralis
 " *fusca*
 " *rotundata*
 x " *lanceolata*
 x " *pygmaea*
Pupa cylindracea
 x " *amplia*
 x *Vertigo edentata*
 x " *pygmaea*
 x " *substriata*
 x *Aene lineata*
 x *Hy. radiatula*
 x *Barychium min.*
Glaucidia bidentata

And var. *viridula*.
 Type & var. *contracta*.
 Common young.
 Abundant.
 Abundant
 Not common.
 "
 "
 "
 Type only
 Type & var. *viridescens-alba*.

Marked others x
 taken in moss
 shavings by
 R. Staden.

Bog near Youghal Cork E. 12th July.
 Collected by Balfour Brown

- Amelia cowleyi*
Limnaea auricularia
Planorbis unilobatus
Valvata cristata
Pisidium pusillum

Glendine Castle & Abbey Graveyard
Co. Waterford. 12th July.

- Arion ater*
 " *hortensis*
Limax rotundus
 " *flavus*
 " *arborum*
Amelia gapata
Aguis. agrestis
Helix nemoralis
 " *rufescens*
 " *aspera*
 " *lespida*
Hyalina cellaria
 " *radiatula*
 " *nitida*
Pupa cylindracea
Glaucidia bidentata
Balea perversa
 boch. *lubricus*
Balea jenkinsi

Limax arborum
Hy. draparnaudii
Balea perversa

Var. *plumbea*.
 Type.
 a var. approaching *rufescens*.
 Very fine (R. Patterson).
 Var. *rufescens* & type. Very fine & abundant.
 a very dark form.
 ? *nitidula* (mk)
 on beech trees.
 On river bank.
 Youghal Church. Cork E.

See next page

Near Loughal Bridge. Cork E.
12th July.

Planorbis cristatus.
" *spinosus*.
Helix aspersa.
" *rupestris*.
" *virgata*.
" *hispida*.
" *rufescens*.

Ardsallagh, Co. Waterford
(Opposite Glendine Castle) 12th July.

Arion ater.
Limax maximus.
Agriolimax agrestis.
Anolis cornutus.
Hydrobia cellaria.
" *nitidula*.
" *pura*.
Helix aspersa.
" *nebulosa*.
" *rufescens*.
" *hispida*.
" *rupestris*.
" *rotundata*.
" *aspersa*.
Clausilia bidentata.
Bolea peruviana.

Type + var. *nitidula*.

Ardsallagh continued.

Pupa cylindrica.
Vertigo pygmaea.
Coch. lubrica.
Limnaea ~~peruviana~~ truncatula.

Old Church in Loughal. 12th July.
Cork East.

Hydrobia lucida

" ~~glabra?~~ ~~Helix~~ ~~the same~~

Helix nemoralis

" *hispida*

" *rufescens*

Bolea peruviana

Clausilia bid.

Pupa cylindrica

"The Geary River Lee, Cork West
13th July.

Limnaea peruviana

" *truncatula*

On an island

Planorbis albus

" *contorta*

Physa fontinalis

Physa fontinalis

Succinea putris

" *oblonga*

} Common to very fine.

BRITISH MOLLUSCA.

BRITISH MOLLUSCA.

Near Loughal Bridge. Cork E.
12th July.

Planorbis crist.
" *spirob.*
Helix caperata
" *rupestris*
" *virgata*
" *hispida*
" *rufescens*

Ardsallagh, Co. Waterford
(Opposite Glendine Castle) 12th July.

Arion ater
Limax maximus
Agrius agrestis
Anolis cornutus
Hyalina cellaris
" *nitidula*
" *pura*

Type + var. *nitidosa*.

Helix aspersa
" *neuroleis*
" *rufescens*
" *hispida*
" *rupestris*
" *rotundata*
" *caperata*
Clausilia bidentata
Stalca perversa

Ardsallagh continued.

Pupa cylindrica
Vertigo pygmaea
Coch. lubrica
Limnaea ~~*truncatula*~~

Old Church yard in Loughal. 12th July.
Cork East.

Hyalina lucida

~~" *glabra* ? Helix & the *neuroleis* Hy. *nitidula* & *Stalca* (2-4)~~

Helix nemoralis

" *hispida*

" *rufescens*

Stalca perversa

Clausilia bid.

Pupa cylindrica

"The Gearagh" River Lee, Cork West
13th July.

Limnaea peregrina

" *truncatula*

On an island.

Planorbis albus

" *contorta*

Physa fontinalis

Physa fontinalis

Succinea putris

" *oblonga*

} Common + very fine.

"The Gearagh" continued.

Anion subfuscum.
 " *intermedium*.
Apis. apertis.
 " *laris*.
Limox. arborum.

Hyalina pura
 " *radiata*.
 " *crystallina*.

Helix pulex

" *impestris*.

" *rotundata*.

" *pygmaea*.

Vertigo antivertigo.

Clausilia bidentata.

Coch. labrica.

Carych. min.

Type + var. *nitidosa*.

Type + var. *v-alba*.

v. excentrica! A.W.S. 1924

(*Vallonia excentrica*) In moss on the "second" bridge.

Shore of Lough Allua. Cork West
 13th July.

Limnaea pereger.

Planorbis albus.

Anagallis flaviventris.

Bythinia tentac.

Succinea putris.

Apis. apertis.

" *laris*.

var. *reticulata* + *tristis*

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Lough Allua continued.

Hyalina fulva.

" *nitida*.

" *crystallina*.

" *excavata*.

" *radiata*.

" *alliana*.

Helix nemoralis.

" *camellata*.

" *aculeata*.

" *pygmaea*.

Vertigo edentula.

" *antivertigo*.

Anion ater.

" *subfuscum*.

" *intermedium*.

Limox. c-niger.

" *arborum*.

Carych. min.

All types. Common.

One var. *viridula*.

The thin woodland form.

Very common in moss.

A few only.

Frequent.

Var. *brunnea* & *castanea*.

Var. *cinerea* - & *brunnea*.

One var. *Vera* found by D. Denison Robuck.

Barriphobane, Cork Mid. 14th July.

Limnaea pereger.

" *truncatula*.

Physa fontinalis.

Anagallis flav.

Valvata piscinalis.

Barriproban continued

Planorbis albus" *contortus*" *crista*" *fontanus*" *spiralis**Planorbis* 87*Luccinea patens*" *elegans*" *oblonga**Anion ater*" *hortensis*" *subfuscus**Agris agrestis**Lemna aurum**Amolus sowerbyi**Hyalina cellaria*" *nitida*" *lucida*" *radiatula*" *crystallina*" *fulva**Helix aspersa*" *capitata*" *rufescens*" *rotundata*

In the River Lee in fast running water.

Common & large. Light amber colour.

Rare: var. *pfeifferi*.

Common & very fine around the small pool below the bridge.

Var. *castanea*.

Type & white var.

Very abundant & fine

Barriproban continued.

*Helix hispida**Clausilia bidentata**Pupa cyfudraca**Vertigo antientis**Coch. lubrica**Carychi min.**Psidium milii*" *pusillum**Hy. allearia*

(78) min

The Rock Close, Blarney Castle. Cork Mid.
Sun. 14th July.*Limnaea palustris**Planorbis fontanus**Valvata cristata**Planorbis contortus**Psidium milii**Physa fontinalis**Sphaerium concave**Anion ater*" *hortensis*" *circumscripta*" *subfuscus**Lemna aurum**Agris. larv.*Var. *castanea*.Var. *subfuscus*.

(79)

Blaney continued.

- Milox souleyti* Of unusual size + very active
See 1.10. Sept. 1907.
" *gagates*. var. *plumbea*.
Helix nemoralis.
" *asperosa*.
" *rufescens*.
" *lispida*.
" *reulecata*.
" *rotundata*.
" *pulexella*.
Hyalina crystal. Type + var. *contracta*.
" *alliaris*. Type + var. *viridula*.
" *cellaria*.
Claus. bidentata
Dalman. perversa.
Cypraea anglica.
Succinea putris a very large form swarmed on nettles +
other tall plants round Lily pond.

Aghada + Rostella. Cork East.
15th July.

- Limnaea peregrina*.
" *truncatula*.
Valvata piscinalis.
Planorbis spirorbis.
" *marginalis*.
Anis. alba var. *castanea* + *succinea*.
" *lortensis*.
" *circumscripta*.
Limnaea subornata.
" *flavus*.
" *noxius*.
Anolis gagates.
Apis. aperta.
Anolis souleyti.
Palud. jenkinsi. In drain under trees, + amongst dead leaves.
Byth. tentaculata.
Pisidium pusillum.
Physa font..
Hyalina alba.
" *cellaria*.
" *lucida*.
" *nitidula*.
" *radiatula*. Type + var. *viridescens*. *alba*.
Stomatella nitidula common on shore. *Physa* very common.
Acorn. lineata var. *alba*. Many near crocks in mossy ditch.

Aghada continued.

Helix aspersa" *venusta*." *asperata*." *lipida*." *imposita*." *rotundata*." *fusca*." *rafesca*." *aculeata*.*Luccina patris*" *elyon*.*Clav. bidentata*.*Crupa anglica*." *cylindrica*.*Balea pumila*.*Coch. lubrica*.*Vitrina pellucida*.*Vertigo edentata*.On leaves of large umbelliferae in woods.
+ *tr. lipidosa*.With *S. patris* on dais in marsh.

More shapings.

Dead

Kinsale, Cork Mid. 16th July.

Linnæa pumila." *truncatula*.*anagallis flav.**anagallis pumila*.*agris agrestis*.*linum cat.*

Van cat larvae.

Kinsale continued.

anagallis pumila." *subfusca*.*Hydrobia fulva*." *alluvialis*.*Helix rotundata*." *aspersa*." *venusta*.*Coch. lubrica*.*Crupa cylindrica*.*Clav. bidentata*.

Ballinaspittal, Cork West.

Linnæa pumila." *truncatula*.*Tridacna militaris*." *pumila*.*Linnæa cat.**Anagallis pumila*.*Anagallis subfusca*." *circumscripta*.*Hydrobia alluvialis*." *cellaria*.

" ?

" *radiata*." *nitida*." *crystallina*.*Agrius agrestis*.

Ballinapittal continued.

Succinea patris
Helix aspersa.
 " *nebulosa*.
 rotundata.
 " *referscens*.
Palud. anglica.
Vertigo antientis.
claus. bidentata.
Carych. sin.

Limnaea peregr.
 " *truncatula*
Succinea patris
 " *elegans*.
Arion ater.

Numerous var. from brown to white, but
 no type.

Agrio. agrestis
Arion subfusc.
Helix aspersa.
 " *nebulosa*.
 " *hispida*.
Vertigo antientis.

Farran poluway. Cork Mid
 16th July.

Cork City, (Cork Mid). 17th July. 07.

Agrio. agrestis.
Amalia cowleyi.
Arion hortensis.
Helix rotundata.
 " *referscens*.
Coch. lubrica.
Valvata piscinalis.
L. peregr.

Near Muckery Railway Station

Common in the River Lee
 River Lee.

The Lough of Cork. Cork Mid.
 17th July 07. A.M. & P.M.

Planorbis albus
 " *crista*
 " *fontanus*.
Valvata cristata
Limnaea peregr.
 " *palustris*
 " *truncatula*

Type & var. *nautileus*

Cisid. paille
 " *subtruncata*

NB. *Planorbis glaber* is
 recorded from here, but
 I saw no sign of it.
 Also *L. annulata* B.A.P.
 & *SM. truncata*, P.A.P.

Goujanibara. Cork West. 18th July.

Arion ater

" *subfuscus*.

Common on St.

Island.

" *intermedius*

Common.

Limos maximus

Agrio. apertis

Vitina pellucida.

Two young spec. above.

Hyalimnia nitidula

" *alliaris*.

" *crystallina*

Helix nemoralis

R In "Keir-an-eigh"

" *rotundata*

" *hispidula*.

Pupa cylindrica

Bolea perversa.

Coch. lubrica

+ var. *vitinea*.

L. peregr.

Amygdalus flav.

Common in Lake.

Glenarriff. Killybegs. Cork West.
17th July.

Hyalimnia alliaris

" *fulva*.

" *excavata*.

" *nitidula*.

Helix rotundata

" *rufescens*.

" *nemorali*.

Pupa cylindrica

Arion ater

" *subfuscus*.

" *intermedius*

Agrio. apertis

Limos peregr.

Common by roadside 74 up to Linnel, a normal
large, light spined form.

Small lough above Corrane. Killybegs
1350 ft alt. Cork West. 17th July.

Pisidium

hibernicum

Apparently very common, but as only
young spec. were taken here, I have
some doubt, that they are this species
although identified by J. W. Taylor.

Lough Nagaviva. Kerry South.
19th July.

Limnaea sp.?

Limnaea praetensis
St. Bernard.

A form very close to *L. involuta*. I sent animals to Rev C.W. Bowell, who has described them as a new species, in I.N. Jan. 1908, under the name of *Limnaea praetensis*, Bowell.

Pisidium libanum? Very common but nearly all spec. were very young.

This shell was first discovered by Dr. Schaff here in & this is the second time the lake has been visited.

Some of them have some been named *P. libanum* by B.B.W.

(84)

Lough Namodda. Cork West.
19th July. 07.

Pisidium libanum? Very common, but as in the other lakes, mostly young.

(85)

Lake View Hotel neighbourhood, Killarney
Kerry North. 20 + 22nd July.

Planorbis creta
" *fontanus*
" *spirorbis*
Limnaea peregr.
" *polystus*
Pisidium

all in lake about 1/2 mile behind the Hotel or in drain & marsh near the entrance from road.

(86)

Helix rapuncul.
" *granulata*
" *nebulosa*

Common. All young.

Succinea putris
Purpura anglica
" *cylindrica*

? Pfeiffer

All in ditch on road leading up to Hotel entrance from main road.

Vertigo
Carych. minus
Coch. lubrica

Killarney continued

Hyalinia alliana
 " *nitidula*
 " *radiatula*
Helix rotundata
 " *rufescens*
 " *aspera*

Roadside above Hotel
entrance.

Muchra Abbey 21st July.

Helix rotundata
Pupa cylindracea
Clavus bidentata
Hyalinia cellaria
 " *nitidula*
Helix nemoralis

all found in the ruins.

near the Abbey, dead.

Planorbis spirorbis
Physa fontinalis
Limnaea peregrina
 " *palustris*
Optunia cornu
amstelredamensis
Cisidina

On the lake shore.

(87)

Emmeus awb.

Hyalinia lucida
 " *helicina*
 " *schaffneri*?

One dead from Abbey.

Identified by
A.S. Kennard.

Forc Woods, Killarney. Kerry North.
21st July.

Hyalinia fulva
 " *crystallina*
 " *nitidula*
 " *cellaria*
 " *alliana*
 " *pura*
 " *excavata*

+ Var. *viridula*

Large + var. *vitrea*.

Helix rotundata
 " *canaliculata*
 " *rufescens*
 " *nemoralis*

Coch. lubrica

Limnaea c-niger

One spec. like var. *vera*, near the waterfall in bog.

Cerion ater

" *suffusus*

" *minimus*

Very common.

Pupa anglica

" *cylindracea*

Clavus bidentata

Balea pumila

Vestigo edentula

Helix nemoralis

L. involuta

Cisidina?

Loft Curraun above Killarney

One very thin spec. above lake. Kerry N.
Several young spec. + 4 fully grown. Many
eggs were observed on the stones in water
between young. (88)

old. Red.

Gap of Dunloe, Kerry South.
22nd July.

Linnaea perenne.

Pisidia

" (89)

} all in Coonam Lough at the north end of the Pass.

Planorbis contorta

Physa fontinalis

Anemone flava

Agrius agrestis

" *lavis*

} In the Black Lough at the summit of the pass.

} Both on shores of Loughs.

Ross Castle, Killarney, Kerry North.
23rd July.

Pupa cylindrica

Helix rufescens

Vitrea pallucida alive.

Agrius agrestis

} all living in the upper chamber of the tower.

Wood below Lake View Hotel, Kerry South.
24th July.

Hyalina nitida

" *crystallina*

Helix fusca

" *renovata*

" *rufescens*

Arion hortensis

" *suffusa*

" *intermedia*

Agrius agrestis

Pupa cylindrica

Helix aspersa

Kenmare. 20th July. 07. Kerry South.

Arion circumscriptus

Agrius agrestis

Arion sordidus

" *jugatus*

Helix rufescens

" *rotundata*

" *lispida*

" *aculeata*

Hyalina cellana

" *nitida*

" *crystallina*

Vitrea pallucida

Pupa cylindrica

Clausilia bidentata

Helix renovata

" *aspersa*

Helix rotundata

" *rufescens*

" *granulata*

Hyalina cellana

" *allionii*

Clausilia bidentata

Agrius agrestis

Pupa cylindrica

Helix *superciliosa*
" *asperata*

Carboniferous

St. Finian's Church Yard Kenmare.

Common here in July 1858 but I could not see one this year.

Boolecarrya Co Kildare 25th July.

Arion hortensis
 " *suffusus*
 " *intemedi*
Limax arboreus
Agriolimax agrestis
Hydrobia cellaria
Helix rotundata
 " *rufescens*
 " *pygmaea*
 " *italica*
 " *asperata*
 " *virgata*
Vertigo edentata
Boch. lubrica

Planorbis umbilicatus ? Young.
~~*Planorbis*~~ *cornutus* ✓

Gallins Co Kildare 25th July

Helix aspersa

Planorbis umbilicatus ? Young.

Bythinia leachi Very common in the Grand Canal near station.
 R. Welch has since taken the shell at Lucca.
 Co. Dublin in same Canal

" *tentaculata*

Common.

Limnaea peregrina

" *palustris*

Valvata ovata

Succinea Pfeifferi

Physa fontinalis

Mouth of the Antu River, Antu
 Co. Antu.
 8th Aug. 07.

Hydrobia cellaria

" *nitida*

Boch. lubrica

Helix hispida

Carych. min.

Limnaea peregrina

" *palustris*

Agriolimax flaviventris

Succinea oblonga

Quite common at roots of trees. A greenish form first taken here by J. N. Milne.

Planorbis umbilicatus

" *albans*

Paludetrina jenkinsi

Very abundant & fairly large in size.

Valvata piscinalis

" *cristata* ?

Bythinia tentaculata

Sphaerium cornu

" *lacustris*

Pisidium ^{*littorale*} ~~*oblongum*~~ ✓

" ^{*nitidum*} ~~*fratellum*~~ ✓

" *subtruncatum* ✓

" *gassianum* ✓

" *caustatum* ✓

Glencain, Lezard Co. Antio.

21.8.07.

Hygromia hispida." *infusa*.*Limnaea peregrina*.*Anatolus flaviventris*.*Planorbis bidentata*.*Hygromia elliptica*." *crystallina*.*Helix nemoralis*.

Common in ditch outside Glencain House.

Brawford's Nursery, Chlorine Garden

Belfast. Co. Antio.

27.8.07.

Anatolus paganus.

Common & large.

Agrionomus sp.?A dark small species very like *A. laevis*, but I believe another species.*Pyramidula rotundata*.

One very large & high spired specimen.

Hygromia sp.?One dead spec. very like *Z. nitida*.*Subulina octona*.

Quite common in the Palm House under pots & like utensils. Notes on the animal.

" Lemon yellow all over, including tentacles.

Foot 5mm. when crawling. Eyes black, sunk in the top of upper tentacles & showing very distinctly when withdrawn. Upper tentacles about 1mm. long short & thick. Lower ones nearly round protuberances.

Brawford's Nursery cont.

Opeas goodali.

Very common with the last species & the animal is very similar in colour & only about 1/3 the size.

Limnaea peregrina.

Living in a barrel of water. Common.

Moirs. Co. Antio.

1st Sept. 07.*Agrionomus laevis*." *agrestis*.*Hygromia fulva*." *crystallina*." *radiata*.*Helix pygmaea*." *hispida*." *nemoralis*." *rotundata*." *aspera*." *excantaria*.*Hygromia cellana*." *nitida*.*Vertigo pygmaea*." *antivertigo*." *subtrita*.*Boch. lubrica*.*Caudo. min.**Succinea putris*.

Very common on the railway bridge over canal.

Moiria, Co. Antrim. continued.

Planorbis carinatus In stream.
 " *unibilis* In small pond near station.
 " *albus*

Valvata cristata

" *piscinoli*.

Sph. cornu

Pisidia fontinale

Limnaea peregra

" *palustris*

" *truncatula*

Pupa cylindracea

Arion subfuscus

" *luteus*

" *fasciatus*

Limax naevius

Var. *ferus* Jac.

Limnaea peregra

" *palustris*

Physa fontinalis

Clavus bidentatus

Valvata piscinoli

" *cristata*

Sphaerium cornu

" *lacustis*

Pisidia fontinalis

Pisidia Identified by J. V. Taylor.
 July 1909.

Pisidia fontinalis

" *gossuianum*

" *officinale*

" *pusillum*

Moiria, Co. Down.

AWD + R.W. 1.9.07.

Moiria, Co. Down continued.

Helix rotundata

" *lispida*

Coel. lubrica

Planorbis fontinalis

" *unibilis*

Soldierstown Co. Antrim.

AWD + R.W. 1.9.07.

Hydrobia nitida

" *cellaria*

Arion ater

" *fuscus*

Limax sp.

" *arborum*

Helix nemoralis

" *aspera*

" *lispida*

Coel. lubrica

Clavus bidentatus

Var. *plumbea*.

Var. *plumbea*.

The great Falus of Fair Head. Co. Antrim
 A.W.S. & R.W. 8.9.07.

Barrickmore Bog.

Amalia jagata.
 Agrio. agrestis.
 Arion ater.
 " minimus.
 " circumscriptus.
 Limos maximum.
 " arborum.
 Hyalinia alliaris.
 " libanica.
 " crystallina.
 Vitrea pellucida.
 Helix rotundata.
 " pulchella.
 " hispida.
 " nemoralis.
 " pygmaea.
 Hyalinia fulva.
 " radiatula.
 Vertigo pygmaea.
 " antiveritigo.
 " edentula.
 Coch. lubrica.
 Cerythium min.
 Lucerna pfeifferi.

Fair Head continued.
Carrickmore Bog continued.

Pupa anglica.
 " cylindracea.
 Limosia truncatula.
 Clavaria bidentata.
 Pisidium pusillum.

(93)

The great Falus.

Arion ater.
 " subfuscus.
 " circumscriptus.
 " minimus.
 Agrio. agrestis.
 Limos maximum.
 " cinereo-niger.
 " arborum.
 Hyalinia pura.
 " nitidula.
 " radiatula.
 " alliaris.
 " crystallina.
 " fulva.
 Helix rotundata.
 " aculeata.
 " fusca.
 " nemoralis.

Var. Vera.

Nearly all dead & all var. helmi.

Fair Head continued.

The great Zalus. continued.

Helix hispida.*Coch. lubrica*.*Aene lineata*.*Purp. anglica*.*" cylindracea*.*Vertigo pygmaea*.*" substriata*.*" adentula*.*Limnaea truncatula*.*Pisidium pusillum*.

Type & var. alba.

(94)

Arion ater.*" subfuscus*.*" intermedius*.*Agro. agestis*.*Limos. rostratus*.*" arboreus*.*Vitrina pallucida* Dead.*Hyalina pura*.*" radiata*.*" crystallina*.*" hibernica*.*Helix costata*.*" aculeata*.

Ballintoy & Whitepark Bay. Co. antrim.

A.D.S. 9.9.07.

Whitepark continued.

Helix nemoralis.*" aspersa*.*" hispida* (concinna).*" itala*.*Coch. lubrica*.*Carych. mini*.*Vertigo pygmaea*.*" angustior* Dead in shell pockets.*" pusilla* " " " " " "*Aene lineata* " " " " " "*L. caucalis bidens*.*Helix* ^{*acuta*} ^{*retundata*} ^{*italica*}

Plantation Port, Keshane. Co. antrim.

A.D.S. 9.9.07.

Hyalina cellaria.*" crystallina*.*Helix arbustorum*.*" nemoralis*.*" hispida*.*" aculeata* Sept. 1907.*Aene lineata* Sept. 1907.*Purp. cylindracea* White*Planorbis bidens* White*Helix* ^{*retundata*} ^{*italica*} 1901.

Tor Bay. Co. Antrim. Aust. 10.9.07.

arion ater

" *subfuscus*.

" *fasciatus*.

" *intermedius*.

agris. agrestis.

limos. arboreus.

hyalinae cellariae.

" *alliarum*.

" *nitidula*?

" *pura*.

" *crystallina*.

Helix puzosii.

" *lispida*.

" *rotundata*.

" (*arbutorum*)

R. Welch has taken this by the roadside just above the village of Tor.

Clausilia bidata.

Pestigo puzosii.

bock. lubrica.

Pupa cylindrica.

Helix eccentrica.

Mainland, Orkney Islands.

Stromness 13.9.07.

arion ater

" *subfuscus*.

" *minimum*.

" *circumscriptus*.

" *hortensis*.

limos. arboreus.

agris. agrestis.

hyalinae cellariae.

" *alliarum*.

" *nitidula*.

" *crystallina*.

"

Annalia gazeta.

Vitrina pellucida.

Helix rotundata.

bock. lubrica.

Pupa cylindrica.

" *muscorum*.

Palca perversa.

Limnaea truncatula.

2 specimens on lake shore at Stromness.

+ H *lispida* under logs near shore.

Orkney continued.

Stenness 14.9.07.

- Arion ater* common.
" subfuscus Very common.
" hortensis also common.
" fasciatus Some queer specimens of "this" species, which are I think another species. No! *A. fasciatus* var. *septentrionalis* miki.
" intermedius a few.
Limax orbicularis a few large spec. light in colour. Var.
Agriolimax agrestis common, mostly var. *burnsi*.
" loricatus fairly common.
Vitrea pellucida common.
Hyalina allium Very common. *H. radiatula* 2 spec.
" nitidula 2 spec. of var. *nitida* near the shore of L. Harray.
" castallia Rather scarce.
Helix pygmaea Very common near the the great circle.
Boch. lubrica Rare.
Garych. min. common.
Pupa cylindrica Very common.
Vertigo edentula among leather at the great circle.
" pygmaea Under stones near Lake shore.
Luccina patris? One sp. with the next species?
" schumacheri? Very abundant along the Lake shore?
Limnaea peregrina A small form in Lough Stenness.
" truncatula Lough Stenness shores.
Anisus flavus In a small stream.
Planorbis spiralis In Lough Stenness & other shallow flooded areas.

Orkney continued.

Stenness cont.

- Pisidium pusillum* Lough Stenness? a large Harray. ✓
" milium " " (95) " Collected at edge of Lough Harray.
" fontinalis " " Stenness, 14.9.1907. *P. casertanum*, *P. milium*
" *P. personatum* and *P. abussale* . (see A.W. Sclater in litt. 24.11.58)
 all det. A.W. Sclater, 13.1.1918.
 Sandwick Bog. 14.10.07

- Pupa mucron.*
" cylindrica
Helix pulchella
" rotundata
Arion ater
Agriolimax agrestis
Limax orbicularis
Vitrea pellucida

Lough Skail & its shores 14.9.07

- Limnaea peregrina*
" truncatula
Planorbis glaber
Sphaerium cornu
Pisidium pusillum
Hyalina allium
Helix rotundata
Pupa cylindrica
Vertigo pygmaea
" edentula
Luccina schumacheri

Identical with spec. of *Pl. arcticus*. (A.S.K.)

(96)

Only brought one spec. but believe I over looked a good many as spec. Pupa. I believe it to be a new species. It is white & striped but has no spines. It was under stones near an old burial mound on south shore of L. Skail.

Kew Gardens & Thames shore. Surrey.
A.W.S. & C.P.H. 27.9.07.

Agrio. agrestis.
" *laevis.*
Hyalina crystallina.
" *cellaria.*
" *nitida.*
Arion ater.
" *fasciatus.*
Helix hispida.
" *convexa.*
" *rufescens.*
" *costata.*
" *aspera.*
" *hortensis.*
Boch. lubrica.
Succinea elegans.
Barzch. min.
Limnaea pereger.
" *stagnalis.*
Planorbis cornus.
" *albus.*
" *carinatus.*
" *condatus.*
" *vortex.*
Physa fontinalis.

Many varieties including *Lyolozanata*.
One specimen with a bad formula of 12 ^{aremicola} 5.

+ *truncatula.*

? ✓

Kew continued.

Brythia tentac.
Sphaeri cornu.
Pisidi pusilla.
" *fontinalis.*
" *milu.*

(97)

Seven Oaks Weald. Kent West.
A.W.S. & C.P.H. 5.10.07.

Arion fasciatus.
" *intermedius.*
Agrio. agrestis.
Vitrina pellucida.
Hyalina cellaria.
" *nitidula.*
" *alleoria.*
" *radiatula.*
" *pura.*
" *crystallina.*
Helix rotundata.
" *hispida.*
" *aculeata.*
Barzch. min.
Sphaeria laevigata.
Bochliopa lubrica.
Succinea elegans.
Pisidi pusilla.
Arion hortensis.
Limnaea truncatula.

a peculiar form.

(98)

Seven Oaks continued.

Agrio. coëcis
Planorbis vortex
 " *unifilicatus*
 " *contortus*
Physa fontinalis
Valvata cristata
Limnaea peregrina
Pisidium ?
Helix rufescens
 " *cautiana*.

Planorbis ? (98 See on)

Box Hill, Surrey. A.W.S. & C.P.H. 6.10.07

River Mole at Burford Bridge.

Limnaea auricularia
 " *perera*.
Anodonta cygnea.
Unio tumidus
Luccinea patris
Planorbis carinatus
 " *contortus*
Anacardium flavum
Physa *tentaculata*.

Box Hill.

Helix aspersa
 " *hispida*
 " *rufescens*.

Box Hill continued.

Helix rotundata.
 " *cautiana*.
 " *lupicida*.
 " (*aspersa*.
 " *remoralis*.
 " *itala*.
 " *costata*.
 " *pomatia*.

A few white specimens on top in woods.

Dead.

Dead at Betchworth.

One alive on Sutton station.

Dead.

Dead. Several at Betchworth.

Fairly common.

One young dead above Betchworth. We could not find any alive where there were hundreds in June. They had evidently burrowed in the soft chalk as there had been slight signs of foot a day or so before our visit.

Vertigo pygmaea.

A few under flints on the Pilgrim's Way above Burford Bridge. Normal & large. 4 teeth &

Fairly plentiful with last under flints.

Pupa muscorum.

Glansia fidentata

Very abundant on an old brick wall in Betchworth.

Eva obscura

Living at roots of grass & upon the ledges at Betchworth. Several pure white specimens.

Loch. lubrica.

A few. Two pure white on summit of hill in woods common.

Carychium min.

Bacillaria acicula.

A few dead under grass & moss above Burford Bridge.

Cyclotoma elegans.

In millions on ledge bank at Betchworth.

Limox arborea.

One on trees. Young.

Arion minimus.

Common.

" *hortensis*.

Very abundant in the old woods & the only mollusc seen alive in the denser portion.

Box Hill continued.

| | |
|--------------------------|--|
| <i>Vitrea cellaria</i> | Rare. |
| " <i>crystallina</i> | Common. |
| " <i>rogersi</i> | one specimen. |
| " <i>alleatica</i> | afew. |
| " <i>nitidula</i> | Common |
| " <i>pura</i> | Very common in the old woods. Nearly all type. |
| <i>Vitrina pellucida</i> | Probably common in season. |

Asford & Eastwell Park. A.W.S. & S.H.S.
Kent East. 13.10.07.

| | |
|--------------------------|--------------------------------------|
| <i>Hyalina alleatica</i> | |
| " <i>nitidula</i> | |
| <i>Helix hispida</i> | |
| " <i>rufescens</i> | In deposit in tank of Eastwell Lake. |
| " <i>carteana</i> | In deposit. also alive. |
| " <i>aspersa</i> | Dead. |
| <i>Cyclotoma elegans</i> | In deposit. |
| <i>Limnaea peregrina</i> | |
| <i>Planorbis vortex</i> | |
| " <i>umbilicatus</i> | |
| " <i>albus</i> | |
| " <i>contortus</i> | |
| <i>Physa fontinalis</i> | |

(99) *minima*

River Stour at Asford. Kent East
A.W.S. 14.10.07.

| | |
|--------------------------|-------------------|
| <i>Limnaea peregrina</i> | |
| " <i>stagnalis</i> | |
| <i>Planorbis albus</i> | |
| " <i>vortex</i> | |
| " <i>spirorbis</i> | |
| " <i>umbilicatus</i> | |
| <i>Byth. leachii</i> ? | |
| " <i>tentaculata</i> | |
| <i>Anodonta flav.</i> | |
| <i>Anodonta cygnea</i> | Dead. |
| <i>Sphaerium cornu</i> | |
| <i>Physa fontinalis</i> | (100) |
| <i>Helix hortensis</i> | Dead near Asford. |

Dover. Kent East. A.W.S. 14.10.07.

| | |
|----------------------|---|
| <i>Helix virgata</i> | } all four common on Shakespeare Cliff. |
| " <i>aspersa</i> | |
| " <i>rufescens</i> | |
| " <i>carteana</i> | |

Canterbury to Patricksbourne. Kent East.
aws. 14.10.07.

Hyalinia cellaria

" *nitidula*

" *radiatula*

Agrius agrestis

Arion ater

" *hortensis*

" *fasciata*

Helix hispida

" *rufescens*

" *castanea*

" *aspera*

" *capitata*?

" *virgata*

Prupa muscorum

Ena obscura

Cyclotoma elegans

In the cathedral close.

Roadside.

One in copse at Patricksbourne

This was just record
of *Helicella* *leipensis* Metcalf
a W.S. 1913.

A form which I cannot believe is *capitata*
was very common on roadside just outside
Canterbury town. Large & flat. Very shells
not peeled. Type on station platform.

Type + var *alba* at Patricksbourne.

With latter under flints in field.

One under railway arch at Beckbourne.

Type + var. *ochroleuca* with *H. capitata*?

Virginia Water & Windsor Park, Berkshire.
aws. C.P.H. 27.10.07.

Arion minimus

" *hortensis*

Agrius agrestis

" *laevis*

Hyalinia cellaria

" *alliarum*

" *nitidula*

" *nitida*

" *crystallina*

" *fulva*

"

"

"

"

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"

"

"

Dead.

Rare, only a few by roadside.

Very common, large & bright by roadside
close to Sunningdale entrance to Park.
(Species taken here are recorded as "Sunningdale").

Very common young in Park.

Rare on roadside from Virginia Water.

One spec. with *Hg. nitida*.

Common at Sunningdale.

Several young + dead also at Sunningdale.

Rare. Sunningdale.

Park

Park.

Windsor Park continued.

| | |
|--------------------------|---------------------------------|
| <i>Planorbis albus</i> | Cumberland Lodge Lake. |
| " <i>contortus</i> | Virginia Water & last locality. |
| " | |
| <i>Valvata cristata</i> | Virginia Water. |
| <i>Pisidium pusillum</i> | Virginia Water. |
| " <i>fortius</i> | Cumberland Lodge. (101) ✓ |
| <i>Anodonta cyanea</i> | " " |
| <i>Sph. cornu</i> | " " |
| <i>Vitrea pellucida</i> | Common. |

Embankment of Thames at Staines, Surrey.
27.10.07.

| | |
|-----------------------------|------------------------|
| <i>Planorbis cornus</i> | |
| " <i>contortus</i> | |
| " <i>vortex</i> | |
| <i>V. vivipara</i> | Dead. |
| <i>Helix hispida</i> | Common. |
| " <i>hortensis</i> | Several, mostly young. |
| " <i>pulex</i> | Common. |
| " <i>arbutorum</i> | Several young. |
| <i>Boch. lubrica</i> | |
| <i>Hy. nitidula</i> | |
| " <i>cellaria</i> | |
| <i>Bythinia tentaculata</i> | |
| <i>Unio curvirostris</i> | |
| <i>Agrius agrestis</i> | |
| " <i>laevis</i> | |

Weybridge Canal, Surrey.

Aug. 3. 11.07.

| |
|--------------------------|
| <i>Limnaea peregra</i> |
| " <i>auricularia</i> |
| " <i>stagnalis</i> |
| <i>Planorbis vortex</i> |
| " <i>albus</i> |
| <i>Sph. cornu</i> |
| " <i>vivipara</i> |
| <i>Unio pictorum</i> |
| " <i>humilis</i> |
| <i>Anodonta cyanea</i> |
| <i>Drissensia poly</i> |
| <i>Pisidium amnicum</i> |
| <i>V. vivipara</i> |
| <i>Helix hispida</i> |
| " <i>contortus</i> |
| <i>Byth. tentaculata</i> |
| " <i>laevis</i> |
| <i>Acrostus laevis</i> |

Chertsey to Staines, Middlesex.

Aug. 3. 11.07.

| |
|------------------------|
| <i>Unio subfuscus</i> |
| " <i>fasciatus</i> |
| <i>Agrius agrestis</i> |
| " <i>laevis</i> |

Gloucester - Stair case.

Vitrea nitidula
 " ^{crystallina} *nitida*
 Zon. *nitida*

Very common & abundant under dead
 reeds along River Thames at Teddington.

Clausilia bidentata

Helix hispida

" *rufescens*.

" *castanea*

" *pulchella*.

" *asperata*?

Boch. lubrica.

Limnaea stagnalis.

" *palustris*

" *truncatula*

Gph. cornu.

Anodonta cygnea

V. vivipara

Byth. tentaculata

Neitina fluv.

Planorbis rotax

" *umbilicatus*

" *contortus*

V. common = *H. crispus* *pulchella*

Very nice specimens with *H. nitida*.

Dead.

Dead.

Dead.

Bushey & Watford. Herts.

Ans & C.P.H. 10.11.07.

Arion ater.

a few young.

" *hortensis*.

" *fuscus*

" *minimus*

Agrion agreste.

" *laevis*.

Vitrea pellucida

Vitrea cellaria

" *nitidula*

" *alliaris*

" *rogersi*.

" *crystallina*

Helix rotundata

" *pulchella*.

" *costata*.

" *aspera*.

" *nemorali*.

" *abustum*

" *rufescens*.

" *hispida*.

" *granulata*

" *asperata*.

" *castanea*.

Bulinus obscurus

Clausilia bidentata

Very common near mill on River Colne.

a few alive & many dead on bank of River & canal

Very abundant and active on Canal bank.

+ sp.?

Watford continued

Boet. labrica.
Larychia min.
Planorbis albus
 " *vortex*
 " *umbilicatus*
 " *carinatus*
 " *corneus*
 " *contortus*
Physa font.
Limnaea peregr.
 " *auricularia*
 " *stagnalis*
 " *palustris*
Anodonta flav.
Byth. leachii
 " *tentaculata*
Pal. jenkinsi
Valvata cristata
 " *piscinalis*
Anodonta cyprina
Sph. corneus
 " *viricola*

One only. C. P. H.

Pis. amnicum
 " *henslowianum*

One fine spec. Var. *elongata* Bandon (A. S. K. id).
 a few in River Colne.

Hampton Court. Middlesex
 Aug. 16. 11. 07

Vitrea cellaria
 " *nitidula*
Helix aspersa
 " *asperata?*
 " *hispida*
 " *rufescens*
 " *contorta*
Bulinus abnormis
Unio tumida
 " *pictus*

Byfleet, Wisley & Weybridge, Surrey
 Aug. 17. 11. 07.

Cyprina aspersa
Vitrea pellucida
Vitrea allearia
 " *cellaria*
 " *nitidula*
Helix rotundata
 " *hispida*
 " *contorta*
 " *hortensis*
 " *aspersa*
Purpura muscorum
Clavus bidentatus

Byfleet continued.

Luccinea putris
Clavus bidentata
Limosa peregr.

" *auriculata*
 " *stagnalis*
 " *palustris*

Physa font.
Planorbis vortex
 " *spirorbis*
 " *contorta*
 " *cornuta*
 " *umbilicata*
Unio tumida
 " *pictus*
Anodonta cyanea
Sph. cornu
 " *viricola*

Pis. pusillus?
 " *fontinalis*?
 " *obtusula*?
Vermetus flav.
Viv. vivipara

Vellutina laevis?
 See p. 148.

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Byfleet & Weybridge. Surrey.

AWS & C.P.H. 24.11.07.

Agris. agrestis
Arion hortensis
 " *minimus*

Vitrina pellucida
Hy. cellaria
 " *alliaris*
 " *nitidula*

" *radiatula*?
 " *crystallina*

Helix hispida
 " *hortensis*
 " *nemoralis*
 " *arbutorum*

Boch. lubrica
Clavus bidentata
Bulinus obscurus
Barzani nivalis

Vertigo edentata ? C.P.H.?
Luccinea putris

Limosa peregr.
 " *stagnalis*
 " *palustris*

Physa fontinalis
Planorbis vortex
 " *contorta*
 " *alba*

Byfleet continued.

Planorbis cornua.
 " *umbilicata*.
Valvata piscinalis.
Vivipara vivipara.
Anaëda flav.
Byth. leachi.
 " *tentaculata*.
Anodonta cyanea.
Unio tumida.
 " *pictus*.
Dreissena poly.
Neritina flav.
Sphaer. corn.
 " *ruvicola*.
Pisidium nile.
 " *fontinale*.

(105)

Leith Hill & Dorking, Surrey.

Agris. agrestis Type & var. *burnea*. 1.12.07.
Limon. arbutum One spec. near Wotton House.
 " *maximus* also one with above. young.
Anion ater Leith Hill.
 " *circumscripta* Goldharbour.
 " *subfuscus* Common.
Vitrina pellucida Wotton Common.
Hy. falva Apparently common on Leith Hill.

Leith Hill continued.

Vitrea alliana Leith Hill.
 " *nitidula* Leith Hill & Goldharbour.
Helix rotundata Wotton Common.
 " *pulex* Goldharbour.
 " *dispar* Wotton Common & Leith Hill.
 " *rufescens* Wotton Common.
 " *aspera* Wotton Common.
 " *cantharus* Dorking.
 " *hortensis* Dorking. Dead only.
Bulinus obesus Wotton Common.
Planorbis bilobatus Leith Hill.

Byfleet. Essex South. 26.1.08.

Agris. agrestis Common in chalk pits.
Anion hortensis " " "
 " *fasciata* " " "
Vitrea cellaria "
 " *nitidula* "
 " *crystallina* a few " "
Helix pygmaea One specimen under stone.
 " *rotundata* Common.
 " *rufescens* Dead only.
 " *dispar* Common.
 " *cantharus* Common.
 " *capitata* Probably common, mostly dead.

Curflect continued.

- Helix aspersa*. common
" nemoralis. common dead.
" costata. common under stone.
Pupa muscorum. Two specimens in chalk pits.
Boeculoides acicula. One specimen under stone with *H. pygmaea*.
Lemna perigr. common in Mar Dyke & in Rainham Marsh.
" palustris. Mar Dyke
" stagnalis. One dead in Mar Dyke.
Physa fontinalis common.
Planorbis rotax common.
" punctilicostatus common.
Bythinia tentaculata A few.
" leachi. In Rainham Marsh.
Pal. jenkinsi. Millions in Mar Dyke. None in Rainham Marsh.
Anodonta cygnea. A few dead shells in Mar Dyke.
Sphaerium cornu common.
" laevius. A few.
Psidium pusill. ? Mar Dyke
" virens. ? Mar Dyke.

Riddle's Down, Purley. Surrey.
AUG. 9. 2. 08.

- Agriol. apertis*. common.
Vitrina pellucida. A few, but all dead.
Vitrea cellaria Not many.
" nitidula Very common.
" para. A few very large in old chalk pit above railway tunnel on Riddle's Down.
Helix rotundata Common.
" hispida Common, mostly var. *hispidosa*.
" pulchella. common.
" costata only one.
" cantiana Common.
" aspersa. dead only.
" itala. A small flat almost black form common (dead) on south of Riddle's Down.
" virgata Very common on Riddle's Down & above Purley.
" striata Very common. = *caespitosa* Mont. & d. S.
Pupa muscorum A few dead.
Boekliospa lubrica Dead only.
Cyclotoma elegans Dead only.

South Downs, north of Brighton, north
slope between Poyning's & Edburton. Sussex West
A.W.S. Feb. 17. 08.

- Agrio. apertis*. Only a few seen.
Arion ater. Several, all young.
 " *suffusus*. One specimen.
 " *hortensis*. Common.
 " *fasciatus*. Common.
 " *minimus*. A few. Not common.
Vitrea pellucida. Only one spec. taken alive.
Vitrea crystallina. Common.
 " *cellaria*. Dead only. Common & large.
 " *nitidula*. Very common.
 " *pura*. Type frequent dead & a few large spec. alive.
Helix pygmaea. Probably common. A few in moss with
P. secale & *Carychium minimum*.
 " *rotundata*. Common.
 " *hispida*. The usual small "chalk hill" form very
 common.
 " *rufescens*. Surprisingly common for uncultivated ground.
 " *remoulii*. One young spec. which may have been *H. latunus*.
 " *itala*. Very common dead on top of towers, not below.
 " *nigata*. Common.
 " *striata*. Common. = *capitata* Mont.
 " *fusciolata*. } A few above Edburton village = *levis* Mont.
Bohlicopa latic. Common, but not abundant.
Carych. minimum. Very common.
Vertigo pygmaea. A few dead & one alive under flint.

Brighton continued.

- Pupa secale*. Very common at roots of grass & moss
 below Devil's Dyke.
 " *muscom*. Common.
Clavosia rolphi. Very common in long grass above Edburton.
 " *bidentata*. Devil's Dyke at base of hills.
 " *laminata*. One spec. dead & several young alive.
Cyclotus elegans. Very common.
Helix aspersa. Very common dead.

Denbie Marsh, Southminster

Arion ater. Young. Essex South. A.W.S. & C.S.H.
 " *hortensis*. Several. 23.2.08.
 " *intermedia*. One.

- Vitrea pellucida*. Common.
Vitrea cellaria. Dead.
 " *nitidula*. Common.
 " *crystallina*. One.
Helix rotundata. *H. hispida* (rare) *H. rufescens*. *H. cantians*
H. virgata. *H. caperata*? & *striata*? *H. remoulii* & *aspersa*
 all more or less common.

- Pupa muscom*. One on sea dyke.
Clavosia spirorbis. *P. crista* & *P. contorta*. All common.
Lumina peregrina. Common. A high spired form. *Succinea patris* Young.
Paludestris ventrosa. Very common in brick kiln drain at Dyke.
Sphaerium comen. Dead.
Physa myosotis & *Alpeis* (denticulata?) on Dyke.

West Drayton & Wexbridge. Middlesex.
15.3.08.

Agrio. apertis.
Anion hortensis
" *suffusum*
Vitrea cellaria
" *nitidula*
" *rogersi*
" *crystallina*
Helix rotundata
" *lispida*
" *granulata*
" *rufescens*
" *cartiana*
" *hortensis*
" *aspersa*
Paludina vivipara
Glyptostoma laticosta
Lymnaea peregra
" *palustris*
" *stagnalis*
" *truncatella*
Physa fontinalis
Planorbis rotunda
" *carinata*
" *contorta*
" *cornea*
Sphaerium corneum

Rejectamenta of Canal.

Rejectamenta.

West Drayton cont.

Sphaerium viride
" *pellucidum*?

Pisidium lendinianum & *Pis. superum*, (A. Schmidt). (107)

Meritima flavicollis

Pythius leachi

" *tentaculata*

—————

Iwer and Colne Brook ^{near} West Drayton, Bucks.
15.3.08.

Agrio. apertis

" *lari*

Anion ater

" *suffusum*

" *hortensis*

Vitrea pellucida

Vitrea cellaria

" *nitidula*

" *crystallina*

Helix rotundata

" *costata*

" *cartiana*

" *lispida*

" *rufescens*

" *aspersa*

Colne Brook, Bucks. Cont.

Helix hortensis." *rennalis*.*Bulinus obscurus**Boethius latius**Luccinea patris*

Young.

" *elegans*

Dead.

Planorbis cristata" *fontana*." *carinata*." *rotunda*." *contorta*.*Physa fontinalis**Limnaea peregrina*." *stagnalis*." *palustris*." *auricularia*.*Acrostoma leucostoma**Paludina vivipara**Bythinia leachi*" *tentaculata**Valvata cristata*" *piscinalis**Anodonta cyanea*.*Unio pictorum*.*Sphaerium corneum*" *vicicola*" *lacustris*?*Pisidium amnicum*." *pusillum*.Gravesend & Chalk. 22.3.08.
Kent West.*Agrius apertus*.*Vitrea nitidula**Helix cantiana*" *hispidula*" *rufescens*." *virgata*" *aspera*." *rennalis*.*Boethius latius**Cyclotoma elegans*.*Limnaea peregrina*.*Assensaria praxinos*.Common under stones, along Havers, just
above high water, with *Physa* *myosotis*.*Physa myosotis**Paludostoma jenkinsi*" *ventrosa*.

"

South Downs, Brighton to Lewes.
Sussex East. 29. 3. 08.
AWS & C.B.H.

agris. agrestis.
Anion ater.
" hortensis.
" fasciatus.
" intermedius.
Vitrina pellucida.
Vitrina cellaria.
" alluvialis?
" nitidula.
" radiatula.
" pura.
" crystallina.
Helix rotundata.
" pygmaea.
" hispida.
" rufescens.
" cantiana.
" rugata.
" striata.
" aspersa.
" neonalis.
" pulchella.
" costata.
" itala.
Bulimus truncatus.

South Downs, Sussex East. Cont.

Loxostoma calvica.
Pupa muscorum.
" secale.
Planorbis rotundus.
" bidulata.
" laminata.
Barychium min.
Vertigo pygmaea.
Lymnaea stagnalis.
Lymnaea peregrina.

Very abundant in a "dew pond" on top of
Ditchling Beacon in company with
Pl. altus & two species of *Planorbis*,
about 15 yards would be dia. of pond.
altitude about 800 ft. also at Lewes.

" palustris.
Planorbis altus.
Meristina flavicollis.

In dew pond on Ditchling Beacon.
Very abundant on weeds in rapid parts
of River ^{Cockshute River} at Lewes.
Lewes. Vars. *carinata* & *coronata* & type.

Caludastria jaspinea.
Planorbis pusillus.
" obtusata?
" subulata?
Planorbis leucostoma.

(109) & (110)

also *Pl. unguiculatus*
17/11

Planorbis *crusta* 10p
with *Pl. jaspinea* 10p
for Lewes
AWS. 10.1.10

Boxgrove, Sussex West.
4.4.08.

Aprio. apertis.
Arion hortensis.
Limox. noxium.
Helix rotundata.
 " *lispida.*
 " *aspera.*
 " *virgata.*
 " *striata.*
 " *cantiana.*
 " *rufescens.*
Vitrea cellaria.
Helix hortensis.
 " *aspera.*
Limoxia peregr.
 " *palustris.*
 " *truncatula.*
Planorbis spirorbis.
Proclitus pusillus.
 " *foveolatus.*

(111)

Planorbis umbilicatus.
Bythinia tentaculata.
Lucina patris? Young.
Arion intermedius.
 " *fasciatus.*

7.4.08.

South Downs. Bignor to Dunton.
Sussex West. 5.4.08.

Arion atr. Young.
 " *fasciatus* Frequent
 " *intermedius* Very common in the woods.
aprio. apertis. Common. Var. *bunarea.*
 " *laevi.* One specimen at base of downs.
Vitrea pellucida Common.
Vitrea cellaria. Common.
 " *nitidula.* Common.
 " *crystallina.* Common.
 " *pura.* Type very large & common.
 " *radiata?*
Helix rotundata. Common.
 " *lispida.* Common. The usual "Downs" type.
 " *rufescens.* Common.
 " *cantiana.* Common.
 " *virgata.* Locally common.
 " *striata.* Common.
 " *cupreata?*
 " *obovata.* Took eight specimens alive in deep lane near Bignor & about 7 dead. Two dead a tank of them at Dunton & one alive in woods a Dunton Beach. The first was on a ~~deep~~ ^{scrubby} bank ~~amongst~~ ⁱⁿ company with. *Helix arbustorum*, *H. hortensis*, *H. rufescens*, *G. rolphi* & *G. bidentata*. Most of the were "sealed" for winter.

Bignor & Dunneton. cont.

- Helix hortensis*. Common.
 " *nermalis*. Common. Some large dead shells in the woods on Dunneton Beacon. The largest measuring mm. in dia.
 " *arbutorum*. In lane with *H. obsoleta* at Bignor.
 " *aspera*. Common.
Boh. lubrica. Rare. One white specimen.
Garychi min. Common.
C. Clausilia rolf. Abundant at Bignor with *H. obsoleta*.
 " *bidistata*. With above very common.
 " *laminata*. Rare one dead & one alive on Dunneton Beacon.
Cypsa muscorum. Bignor.
Limnaea truncatula. Bignor.
Cyclotoma elegans. Common.

 South Down. Petersfield & Buriton
 South Hants. 6.4.08.

- Agriol. apertis*. Common.
Arion ater.
 " *hortensis*. } all under one stone
 " *fasciatus*.
 " *intermedius*. Common in woods.
Vitrea pellucida. Frequent.
Vitrea cellaria.
 " *nitidula*.

Petersfield & Buriton. cont.

- Vitrea pura*.
 " *crystallina*. } All common under beech leaves on
 " *fulva*. } down.
Helix rotundata. Common.
 " *pulexella*. Common.
 " *hispidula*. Common.
 " *rufescens*. Common.
 " *hortensis*.
 " *caerulescens*. All common
 " *aspera*.
 " *virgata*.
 " *striata*.
Garychi min.
Clausilia rolf.. Buriton.
Limnaea truncatula. Buriton.
Cyclotoma elegans. Common.

Midhurst, Sussex West. 6.4.08.

- Agriol. apertis*.
Arion intermedius.
Helix rotundata.
 " *hispidula*.
 " *rufescens*.
 " *hortensis*.
Limnaea truncatula.
Psidium posidonia?.

- Didling.
Helix aspersa.
 " *caerulescens*.
 " *hortensis*.
 " *hispidula*.
 " *rufescens*.
Vitrea nitidula.

St. Aubin & district between Rouen
& Pont de l'arche.

Arion ater. *Spec.* 18.4.08.

" subfuscus. Very brightly coloured.

" fasciatus. Common.

" hortensis. Common.

Vitrea lucida. Very common, but nearly all young, at
bases of walls among nettles &c.

Helix rotundata. Common.

" nemoralis. Common.

" aspersa. Nearly all used as food.

" cartusiana. Very common dead on chalk slope near St. Aubin.

" itala. With latter. Common.

Pupa secale. With latter. A few mostly dead.

" muscorum

Planorbis cornus. In a small pond at St. Aubin.

Limnaea pumila. The true continental type. With P. cornus.

Lymnaea elegans. Common.

3.2.7

2.11.5

11.15

Château Gaillard & St. Pierre,
near Pont de l'arche.
19.4.08.

Arion ater. Common at both localities.

" subfuscus. " " " "

" hortensis. " " " "

" fasciatus. Château Gaillard.

" intermedius. " " " "

Agrion agreste. Common at Château Gaillard.

Vitrea lucida. " " " "

Helix pygmaea. In the ruin of the Castle under fallen stones.

" pulchella. " " " "

" hispida. In the castle at St. Pierre.

" cartusiana. " " " "

" itala. Castle only.

" aspersa. Common.

" pomatia. St. Pierre. Along bank of Seine.

" nemoralis. For nice specimen with white sand at no 3 at St. Pierre. Mostly 00345.

Var. libellula 00000 occurred in the ruin of the castle.

" rotundata. Common in the Castle.

Blasidius parvulus. Common in the Castle under stones.

Pupa muscorum

" secale.

" cylindrica

" "

" "

" "

" "

Château Gaillard.

Common at Château Gaillard.

In the ruin of the Castle under fallen stones.

In the castle at St. Pierre.

Castle only.

Common.

St. Pierre. Along bank of Seine.

For nice specimen with white sand at no 3 at St. Pierre. Mostly 00345.

Var. libellula 00000 occurred in the ruin of the castle.

Common in the Castle.

Common in the Castle under stones.

Common in the Castle.

Common in the Castle under stones.

Common in the Castle.

Common in the Castle.

Common in the Castle.

Common in the Castle.

Common in the Castle.

Common in the Castle.

Large specimen & with very prominent tooth.

Château Gaillard & St Pierre cont.

| | |
|--------------------------|-------------------------------------|
| <i>Vertigo pygmaea</i> | Common under stones in the Castle. |
| " <i>minutissima</i> | A few with <i>V. pygmaea</i> . |
| <i>Bulinus operarius</i> | Common in the Castle. |
| <i>Vivipara vivipara</i> | Rejectamenta of fish at St. Pierre. |
| <i>Succinea putris</i> | Bank of Seine at St. Pierre. |
| <i>Cyclotoma elegans</i> | Château Gaillard - common. |

La Bouille, on Seine. 21.4.08.
12 miles below Rouen.

| | |
|-------------------------|------------------------|
| <i>Agriol. agrestis</i> | Common. |
| <i>Arion ater</i> | Common. |
| " <i>subfuscus</i> | A few. |
| " <i>hortensis</i> | Common. |
| " <i>fasciatus</i> | Common. |
| " <i>intermedia</i> | In the woods - common. |
| <i>Vitrea pellucida</i> | A few dead in woods. |
| <i>Vitrea lucida</i> | Very common. |
| " <i>nitidula</i> | A few only. |
| " <i>crystallina</i> | Dead only. |
| <i>Helix rotundata</i> | Common. |
| " <i>hispida</i> | Common. |
| " <i>hortensis</i> | Common. |
| " <i>venusta</i> | Common. |
| " <i>aspersa</i> | Common. |
| " <i>fontinalis</i> | Young specimen only. |

La Bouille continued.

| | |
|--------------------------|---|
| <i>Helix limbata</i> | apparently very common in the old woods above La Bouille & also in the "Forêt de La Conde". |
| " <i>capricornis</i> | A few young at roots of trees. |
| <i>Clausilia rolfii</i> | Common. |
| " <i>laminata</i> | One specimen. |
| " | |
| <i>Bulinus operarius</i> | Common. |
| <i>Cyclotoma elegans</i> | Common. |

Bazouf. 23.4.08.

| | |
|---------------------------|---------------------------------------|
| <i>Vitrea lucida</i> | all at base of wall in goods station. |
| " | |
| <i>Cochlicopa lubrica</i> | |
| <i>Helix rotundata</i> | |
| " <i>hispida</i> | |
| " <i>aspersa</i> | |
| <i>Agriol. agrestis</i> | |

Baen. 24.4.08

| | |
|---|---|
| <i>Limnaea peregrina</i> <i>form ovata</i> | In a stream at the south side of the Abbaye aux Hommes. |
|---|---|

Graveyard of St. Nicholas Church.
Caen. 24.4.08.

Agrio. agrestis.
Arion hortensis.
Vitrea lucida

" *helvetica*, Blm. Identified by radula as the species by E. W. Powell.

" *nitidula*. Form *nitens*

Helix aspersa.

" *retundata*.

" *memoralis*.

" *hispida*.

Pupa cylindrica

Clausilia bidentata Form *Cl. raposa*.

Allemagne, near Caen. 24.4.08.

Agrio. agrestis.

Arion fasciatus

" *hortensis*.

Vitrea nitidula. Form *nitens*

" *rogersi*. *V. helvetica* Blm.?

" *lucida*.

Helix retundata

" *hispida*.

" *memoralis*.

" *aspersa*.

" *virgata* Dead only.

Allemagne continued.

Helix itala.

" *cartusiana*

Dead only.

" *barbara*.

In ballast on roadside. Probably brought from the coast.

Cochliopa lubrica.

Clausilia bidentata & *Cl. parvula*.

Canal de Mer &

, Caen.
25.4.08.

Agrio. agrestis

Limax maximus

Arion ater.

Vitrea cellaria.

" *lucida*.

" *rogersi*. *V. helvetica* Blm.?

" *nitida*.

" *fulva*.

Helix retundata

" *hispida*.

" *virgata*.

" *aspersa*.

" *memoralis*.

" *cartusiana*.

" *costata*.

Cochliopa lubrica.

Clausilia bidentata.

Succinea pfeifferi.

Caen continued.

Planorbis rotax" *umbilicatus*

+ 8 specimens. (1843)

*Physa fontinalis**Limnaea peregrina*Form ovata." *stagnalis*" *palustris**Bythinia tentaculata**Valvata cristata**Sphaerium cornu**Cisidium pusillum*" *globulare*

(113)

Forêt Roumare, north of Rouen.
& Boscerville. 26.4.08*Agriolimax agrestis**Limax arborum**Arion ater*Ba. Var. *rubrum*." *fasciatus*" *hortensis**Vitrina pellucida**Vitrina cellaria*?

"

" *nitidula* Zpe." *radiatula*

Forêt Roumare continued.

Helix rotundata" *fuscata*

One very young specimen.

" *hirpida*" *neurosalix*" *aspera*" *italica*" *limbata*

Very common.

" *lapicida**Cypsa muscorum*

on the Abbey walls at Boscerville.

Blasidius rolphi" *laminata*" *fidetata**Laccinea**Cyclotoma elegans*

Chiltern Hills, Wendover to Princes Risborough.

A.W.S. & C.P.H.

3rd May 1904.Bucks.

| | |
|--------------------------|----------------------------------|
| <i>Limor arborea</i> | On trees & in garden at |
| <i>Agrio. apertis.</i> | Common. |
| <i>arion ater.</i> | Common. |
| " <i>hortensis.</i> | Rather scarce. |
| " <i>intermedia.</i> | Under beech leaves. |
| " <i>fasciatus.</i> | Common. |
| <i>Vitina pellucida.</i> | A few dead. |
| <i>Vitrea cellaria.</i> | Common. |
| " <i>nitidula.</i> | Common. Var. <i>nitens.</i> |
| " <i>albiana.</i> | One specimen in wood. |
| " <i>radiata.</i> | In moss on down. C.P.H. |
| " <i>pauc.</i> | Under leaves in wood. |
| " <i>crystallina.</i> | Common. |
| " <i>fulva.</i> | In wood under leaves. |
| " <i>rogersi.</i> | Near Church. |
| <i>Helix pygmaea</i> | On down near Princes Risborough. |
| " <i>rotundata.</i> | Type & var. <i>alba.</i> |
| " <i>lispida.</i> | Common. |
| " <i>infusca.</i> | Common. |
| " <i>aculeata.</i> | Under leaves in wood. |
| " <i>pulexella.</i> | In moss on down. |
| " <i>itala.</i> | Common. |
| " <i>virgata.</i> | Dead only. |
| " <i>capitata.</i> | A few dead. |
| + <i>stricta.</i> | A few alive on down. |

= *fructuosa* Lillier - *lispida* var. *alba*
= *capitata* Mont.

Chiltern Hills continued.

| | |
|------------------------------|---|
| <i>Helix hortensis.</i> | Common. |
| " <i>nemoralis.</i> | Common. |
| " <i>arbutorum.</i> | Very common, all along roadside, in hedges. |
| | Var. <i>flavescens.</i> |
| " <i>lapisida.</i> | A fair number on trees in woods. |
| " <i>castanea.</i> | Common. |
| " <i>aspera.</i> | Common. |
| <i>Boeckhiopsis lubrica.</i> | A few in woods. Very small. |
| <i>Bulimus operarius.</i> | Common. |
| <i>Chloritis bidentata.</i> | Common. |
| " <i>laminata.</i> | Very abundant in hedges & on trees. The var. <i>albina.</i> |
| <i>Pupa muscorum.</i> | On down. |
| " <i>secale.</i> | On down, two specimens dead. |
| <i>Vertigo pygmaea.</i> | Two specimens in grass with Pupae. |
| <i>Carychium minus.</i> | Common. |
| <i>Limnaea peregrina.</i> | Pond near Church. |
| <i>Planorbis contorta.</i> | " " " " |
| <i>Physa cornu.</i> | " " " " |
| <i>Cyclotoma elegans.</i> | Very common. |

Amberley & Bignor. Sussex. West.
AWS & CPA. 17th May. 08.

Lirio. artorum
Agrio. apertis
Anion ater
" *rubrofusum*
" *intermedium*
" *fasciatus*
Vitrea pellucida
Vitrea cellaria
" *nitidula*
" *pura*
" *crystallina*
Helix hispida
" *rufescens*
" *canthiana*
" *rotundata*
" *capitata*
" *virgata*
" *obsoleta*
" *hortensis*
" *nemorali*
" *aspera*
" *arbutorum*
" *lappida* Dead only.
Cochlicopa lubrica
Bulimus strepens

Planorbis ulphi
" *laminata*
" *viduata*
Cyclotoma elyana
Lunisia peregrina
" *palustris*
" *stoposchi*
" *truncatula*
Physa fontinalis
Luccinea putris
Planorbis cornu
" *unifilialis*
" *contorta*
" *spirochis*
Valvata cristata
Bythinia tentaculata
Paludina confusa
1st Record alive for South Coast.
Sphaerium cornu
Cisidium pusillum
" *affinale*

a few alive in small drain in fields bordering on River Arun, one mile above Amberley station. Verified by A. P. Kennard. 8.7.08.

Ranmore Common, near Borking, Surrey.
 A.W.S. 24.5.08.

Lirio. arborum
Agrio. apertis.
Lirio. ater
 " *farciat*
 " *hortensis.*
 " *intermedium*
Vitrea pellucida.
Vitrea cellaria?
 " *nitidula.*
 " *rogersi.*
 " *alliarum*
 " *pura.*
 " *crystallina.*
Helix rotundata
 " *hispidula*
 " *rufescens.*
 " *canthiana.*
 " *italica.*
 " *striata. sup. = cuperata Muhl.*
 " *hortensis.*
 " *renouli.*
 " *aspera.*
 " *pomatia.*
Cochlicopa lubrica.
Agria tridens

Dead only, on chalk slope above Borking.

Largaria min.
Clausilia bidentata
 " *laminata.*
Cyclotora elegans.

Penshurst to Tonbridge. Kent & West
 A.W.S. A. Stennard & Rev. E. W. Bonell.
 30.5.08.

Agrio. apertis.
Lirio. maximus.
Lirio. hortensis
 " *intermedium*
Vitrea pellucida.
Vitrea cellaria.
 " *alliarum.*
 " *nitidula.*
 " *radiata.*
 " *crystallina.*
Helix rotundata
 " *hispidula.*
Cochlicopa lubrica
Planorbis albus
 " *spirobis.*
 " *antikeis.*
 " *costatus.*
Physa fontinalis.
Lirio. pumila.

Lirio. palustris.
 " *truncatula*
Sphaer. cornu-
 " *lacustris* ✓
Pisidia pusilla
 " *passionum*
 " *pulella* (115)
 " *casertana*

Petersfield & Stoner Hill. Hants South.
 alt. 31.5.08.

Linx naevius.

" *artem.*

Aprio. apertis.

Arion ater.

" *suffusus.*

" *fasciatus.*

" *intermedius.*

Vitrina pellucida

Vitrea cellana

" *alliaris*

" *pura.*

" *nitidula*

" *crystallina.*

Helix rotundata

" *pygmaea.*

" *hispida.*

" *rufescens.*

" *cantiana*

" *lappacea.*

" *hortensis*

" *aspera.*

" *capitata* Mont. = *fasciata* Colman = *hortensis* Martini.

Gastropoda *littoralis*

Pupa cylindrica

Vertigo edentula

fluviatilis bidentata

" *laminata.*

" *rolphi.*

Lucyella minima.

Cyclotoma elegans.

Planorbis cristata

" *fontana*

" *alta.*

Limonaea stapulei

" *purpur.*

" *truncatula.*

Pisidium parvum

(116)

Planorbis *littoralis*? *Planorbis* *littoralis*

Anacardium *littoralis*.

Southampton South Hants. alt. + River
 7.6.08.

Aprio. apertis.

Arion suffusus.

" *hortensis*

Helix hortensis

" *aspera.*

" *hispida.*

New Forest - Lyndhurst. Hants. South.
 AWS & R. Wileh. 7.6.08.

Limn. suborn.
Agis. apertus.
Arion ater.

" *subfuscus.*

" *hortensis.*

" *fasciatus.*

" *intermedius.*

Vitrea cellaria.

" *allicia.*

" *fulva.*

" *excavata.*

Helix rotundata.

" *hispidula.*

" *rufescens.*

" *neurolepis.*

Cochlicopa lubrica.

Aplysia hypnorum.

Luccinea Pfeifferi.

Angitia flavicincta.

Limnaea pumila.

" *truncatula.*

" *glabra.*

Planorbis spirorbis + *P. leucostoma.*

Physa cornuta.

Physa fusca.

" *capitata.*

" *capitata.*

River Wey & Hog's Back, Guildford. Surrey.
 AWS & C.P. St. 14.5.08.

Agis. apertus.

" *laevis.*

Arion ater.

" *intermedius.*

Vitrea pullulida.

Vitrea cellaria.

" *nitidula.*

" *radiatula.*

" *crystallina.*

" *fulva.*

" *nitida.*

Helix rotundata.

" *hispidula.*

" *rufescens.*

" *cantriana.*

" *capitata.*

" *virgata.*

" *hortensis.*

" *neurolepis.*

" *capitata.*

" *eccentrica.*

Physa mucron.

Planorbis ~~truncatula~~

" *laevigata.*

Cochlicopa lubrica.

Guildford continued.

Gelostoma elegans
Luccaria putris
 " *elegans*.
Anagallis flav.
Linnæa purpurea
 " *palustris*
 " *auricularia*
 " *stagnalis*
 " *truncatula*
Physa fontinalis
Aplousia hypnum
Planorbis albus
 " *rotas*
 " *spiralis*
 " *contorta*
 " *cornus*
 " *fontana*
 " *carinata*
 " *umbilicatus*
Paludina vivipara
Bythia tentaculata
 " *lanceus*
Paludotus jenkinsi
Valvata pinnata
 " *cristata*

Guildford continued.

Glossina cornu
Psidium pusillum
 " *amarum*
 " *herosarium*
 " *submersum*?

(118)

Anodonta cygnea.

Punch Bowl, Hindhead Bottom & Witley
 Surrey. A.W.S. & C.P.H. 21.6.08.

Agris. agrestis
 " *laevis*
Arion ater
 " *hortensis*
 " *fasciatus*
 " *intermedius*
Vitrea pellucida
Vitrea nitidula
 " *radiatula*
 " *crystallina*
 " *alliana*
 " *fulva*
 " *excavata* C.P.H.
 " *nitida*
Helix rotundata

Hindhead continued.

Helix hispida
" *infusca*.
" *cantiana*
" *capitata*.
" *monialis*.
" *lutea*.
" *aspera*.

Cochlicopa lubrica

Carychium minimum

Vertigo substriata 2 damp moss near stream - Hindhead Bottom.

" *antivertigo* One specimen with next species.

" *moellensis* 21 specimen taken by shaking cut moles near the source of the Way on Road to Godalming from Haslemere. "Hampshire Road"

Purpura cylindrica

Succinea putris

Psidium obscurum Dead near Witley.

Limnaea peregrina

" *truncatula*

Planorbis albus

" *spiroth*

Psidium ~~*fruticosa*~~ *casertense*
persimile

" *lombardiana* ✓

" *nitidum* ✓

" *subtruncatum* ✓

" *obtusale* ✓

none seen
18 Sept 1911
see III

119

Down to Deal. Kent West. East
abt. 2.7.08.

Vitrea cellaria

Helix infusca

" *hispida*

" *virgata*

" *striata* = *capitata* Mont.

" *itala*

" *cantiana*

" *castellana*

" *aspera*.

Purpura muscorum

Penzance. (Within radius of 5 miles.)
Cornwall west. abt. 4th 7th July 1908.

Agriol. agrestis

Common.

Amelia gazeta

Rare. Probably owing to great heat.

Arion ater

Type towns. *burnensis* + *atrolatralis*. latter commonest.

" *suffusus*

Common + very brightly coloured.

Zon. nitidum

a few near Marazion.

Helix rotundata

Common.

" *hispida*

a few, but rare

" *granulata*

along Marazion Road, apparently common.

" *virgata*

Common.

" *lutea*

Common.

" *aspera*

Common.

" *monialis*

Common.

Common above Mouse Hole.

193

Penzance continued.

Bohliopsis tuberosa.
Purpura cylindrica.
Luccinea putris.
Limacia palustris.
 " *purpurea*.
 " *truncatula*.
Planorbis spirorbis.
Psidium pusillum. (120)

Jenner & St. Ives. Cornwall West.
 Aug. 5. 7. 08.

Agriolimax agrestis. Common.
Limex arborea. "
Arion ater. "
 " *suffusus*. "
 " *hortensis*. Rare.
 " *fasciatus*. Rare.
Vitrea cellaria.
 " *albicans*.
 " *subreticulata*.
 " *reticulata*.
Helix rotundata.
 " *lupida*.
 " *granulata*. Common at "Chapel Lane" near Looe Head.
 " *aspera*.
 " *remoralis*.

194

Jenner continued.

Blasius tibialis. Rare.
Luccinea pflügeri.
Anagallis flavicollis.
Limacia truncatula.
Psidium pusillum. (121)

"Logan Rock" to Looe End. Cornwall West.
 Aug. 6. 7. 08.

Agriolimax agrestis.
 " *lucorum*.
Arion ater.
Vitrea pullacida.
Vitrea cellaria.
 " *lupida*.
 " *reticulata*. (V. schaffi according to E. W. Bowell) ("Tommy Rock")

Helix rotundata.
 " *lupida*.
 " *granulata*. Common.
 " *reticulata*. Two specimens & many young ones under stones by stream running into Mill Pond, 1 1/2 miles east of Looe End.
 " *aspera*.
 " *remoralis*.

Lands End continued.

Helix rigata
 " *capitata* (stricta group)
 " *barbata*.

Cochlicopa lubrica. Rare

Carychium minimum Common

Pupa cylindracea. Common

Luccinea fluffi. Rare.

Anaglyptus flavicinctus Common.

Pisidium pusillum Common. (122)

Stenochorus bidentatus Rare

St Just, Cape Cornwall to Lands End
 & White sand Bay. Cornwall west
 Aust. 7.7.08.

Lima arborea.

Apis. apertus.

Amia ater.

Vitrina pellucida.

Vitrina alba.

"

Helix rotundata

" *revelata* Fairly common under granite boulders on
 grassy slopes. Not too low down, but
 usually 150-200 ft above sea.

" *rigata* A few like H. Dyeri Bay shells. ♂

" *capitata* (stricta group) ?

White sand Bay continued.

Helix italica Scarce.

" *barbata*.

" *vernalis*

" *aspera*.

Cochlicopa lubrica

Pupa cylindracea

Luccinea fluffi

Anaglyptus flavicinctus

Lima truncatula

17th July - 14th August

Bergen 17th July.

Agrio. apert.
Anon fasciatis
Helix hispida.

all in small plantation next to Railway station.

Bergen & Minde 14th august.

apric. apertis on shore of lake near Minde Station
arion fasciatus " " " " " "

Limnæa peregrina. } & *L. truncatula*. The *L. peregrina* is similar to the form found
Cerithium obtusale } In lake & stream. in Sraheen L., Achill Island.
 .. *casertanum* } = *globulare* C. (?). 123
 .. *milius* }

Verified by G. V. S.
 23-12-1917.

Vatnahalsen, July & August 2,500ft alt.

Linax artous. Fairly common. Pale form, same as on Orkney.
 " *c-niger.* Too full grown + one young. near Lelyst. ^{Very black} + brown.

agris. *apertis*. Common in forage below fall. (Kip for)

Arion ater Rare

1. suffusus. Very common.

Vitruina pellucida Very common in woods.

Vitrea palmella Very rare in gorge below Kjosfos.

Euconula fulva Very common + large.

Helix rudrata. about 1/2 dozen under tree in the gorge.

Further 20.7.08.

Boerhaavia cubensis.

Haarndol 12. P. 08.

limb arborum. Common.

" *tenellus*.

Agrio. apert. Common.

arion' aten. Rather

48 subfusca.

Vitrina pellucida.

Vitrea subitla Rare

or petrified

Eucnemus fulvus Common.

Clausilia fidentat. Not at all common.

bock. lubia. a few var. vitina

Helix hortensis Very common & small. Vars. *flavescens* & *fuscata*.

" Capricorn. On stones at roadside for 2 miles above

Hōga Bridge.

" moderate Frequent, but nowhere abundant.

" *excentrica* near *Flava*, probab^{ly} common.

Saltst 300 ft all.

Leaves at base.

Curion antiformis

Vitruia pellucida

116 by actuation
moderate

Journal

Finse. Norway. 4,500-5000ft alt.

Union subfusca One specimen on lake shore.
Helix arbustorum Two large specimens about 700ft. above railway station.

Collected by F. Balgø, Tromsø
 at Fjell, Juddhøddal, Norway
 - July 1908.

(124)

North-west Donegal 5th-15th Sept. 1908
 all in Donegal West. (35).
 See. I.V.

Horn Head, Ramore. 5.9.08.

agris. agrestis

Union hortensis

" *ater*

On mainland.

Vitrea cellaria

Helix italica

" *capitata*

All over the grass slope above bridge & not in 'circus ring' as in Sept. 1905. = *H. intersecta*, Pöiret

" *infusum*

In ruin of cottage at Horn Head end of bridge & along roadside near Dunfanaghy. Not here in 1905!

" *hispida*

Var. *concinna*.

" *acuta*

" *aspera*

On mainland.

" *memoralis*

Cochlicopa lubrica

Succinea Pfeifferi

Limonax puzosii

" *truncatula*

Pupa cylindrica

Planorbis identata

Pisidium fontinale

(125)

Horn Head, Dunes at Ramore & Pollanquill Bay.
6.7.08.

Limnaea carbonaria
agris. agraria
aria ater

" *intermedia*

" *suffusa*

Vitrea pellucida

Vitrea hibernica

" *schaepfi*

" *alliana*

" *radiatula*

Helix hispida

" *rufescens*

" *coarctata*

" *memoralis*

" *stale*

" *acuta*

" *aspera*

" *concentrica*

" *costata*

" *rotundata*

Cochlicopa lubrica

Succinea schumacheri

Pupa cylindrica

" *muscorum*

Vertigo pygmaea

Orala purpurea

Claviclea bidentata

Spe + var. viridula.

Pollanquill Bay very common, but local.
Very weathered & heavy specimen at Pollanquill.
At Ramore the 'coalita' form with white lips is
very predominant.

Both correct!
C. W. S. 1924.

+ Var. *alba*.

Near McFinn's Gap in small marsh.

A very small form near McFinn's Gap.

Limnaea
Pandora
frumetorum
purpurea
pygmaea

Kill Lough & shore, at Ramore & Duncannon.
6.7.08. per. Clifton & Wright.

Limnaea pygmaea

" *auricularia* Var. *acuta*

" *palustris*

" *truncatula*

Planorbis spiralis

Planorbis pygmaea

" *milan*

True *P. spiralis*? No *P. leucostoma*.

126

Vitrea radiatula

" *crystallina*

" *fulva*

agris. agraria

aria ater

Helix aculeata

" *lamellata*

Vertigo pygmaea

"

aria ater

Jun. nitida

Vertigo pygmaea

Pupa cylindrica

Paludastrea

stagnalis

One specimen of the species in pool near
road, with operculum in position, but
lost before it was proved to be alive
or not.

Lough Lough. 6.7.08. per. J. N. Milne.

Arion ater

Vitrea hibernica

" *nitidula*

Helix hispida

" *itala*

" *hortensis*

" *fusca*

H. spinosa

Dunfermline + Ballinure. 7.9.08.

One dead typical example taken in flood
refuge at Ballinure by F. Balfour Brown.
Several in flood at Ballinure.

Helix nemoralis

Magherafulla Church near Bunclogh.
8.9.08.

Agriol. apertus

Limax arborum

Vitrea pellucida

Vitrea alliarum

Arion ater

" *subfuscus*

Helix nemoralis

" *aspera*

" *itala*

" *acuta*

" *hispida*

" *robustata*

Some very small spec. in grass yard.
Not so common as in 1905.

= Below Hotel at Bunclogh.

Arion ater

Very large.

Barwickfi Peninsula. 8.9.08.

Limax arborum

Agriol. apertus

" *laevis*

Arion ater

" *subfuscus*

" *intermedius*

Vitrea pellucida

Vitrea cellaria

" *nitidula*

For. nitida

Lucorum fulva

Vitrea radiatula

Helix pygmaea

" *itala*

" *acuta*

" *aspera*

" *nemoralis*

Boch. lubrica

Carychi min.

Vertigo pygmaea

" *antivertigo*

" *substriata*

Cypa muscorum

" *cylindracum*

" *anglica*

For *citronogomata* + *roseogomata*.

Barwick Peninsula cont.

Succinea pfeifferi
Limnaea purpurea Va. Boissigi - Corboy Lake. White sp.
 " *annulata* Va. acuta.

" *truncatula*
Planorbis erista

" *glabra*

" *spirorbis* } The form in the lake & the latter in a ditch
 " *leucostoma* } near James Boyd's farm.

Physa *pusilla*
 " *fontinalis*
 " *nitida*

(127)

Wood at Lough Floghmacnaghtan
 near Gweedore Station 9.9.08.

Limnaea arborum
agris. agrestis
 " *lauri*
arion ater
 " *suffusa*
 " *intermedia*
Vitrea pellucida
Vitrea radiatula
 " *alliumi* + var.
 " *nitidula* + var. *helvina*.

Helix rotundata

Coch. lubrica

Pupa anglica

Sphyradi edentata

Bunbeg Sand Dunes. 10.9.08.

Arion fasciatus
Limnaea arborum
agris. agrestis
Vitrea pellucida
Vitrea helvina
Helix hispida
 " *memoralis*
 " *aspera*
 " *itala*
Amalio pagata

Helix acuta

Mullaghbeg. 11.9.08.

agris. agrestis

" *lauri*

Amalio pagata

Arion ater

" *intermedia*

Vitrea pellucida

Vitrea alliumi

" *nitidula*

" *radiatula*

Jon. nitida

Helix nemoralis

" *aspera*

" *itala*

" *acuta*

Shore of Lough Flogh.

V. communis. Many drowned by floods.

Mullaghdey continued

Carychium min.
Venturia pyrena
 " *antivertigo*
Pupa anglica. 1. rare.
 " *cylindracea*
Limosa puer.
 " *truncatula*
Succinea pflügeri
Pisidium pusillum

(128)

Irishman, off Bantea
 12.7.08.

Agrion agrestis
Agrion intermedium
Vitrea pellucida
Vitrea allianii
 " *cellaria* = *littoralis*
Helix excentrica. ✓ Correct! A.D.S. 1924.
 " *itala*
 " *memoralis*
 " *acuta*
 " *rotundata*

Pupa cylindracea
Paludina puer.
Planorbis cristata
Coch. labialis
Limosa puer.
 Mr. Boirgi.

Pupa w. ant.
 C. aculeata
 C. puer.
 C. d. labialis
 C. d. cristata
 C. d. aculeata
 C. d. puer.
 C. d. allianii, juv.
 C. d. marini, juv.

Limosa palustris
 " *truncatula*
Aplecta hypnorum
Pisidium pusillum.

(129)

Gola Island, off Bantea

12.7.08.

Agrion agrestis
 " *lavis*.

Agrion atr.

" *hortensis* Very pale in colour. (?) *Pupa* *A. intermedium*
 " *intermedium*

*Vitrea pellucida**Vitrea allianii**Helix excentrica*" *rotundata*" *memoralis*" *aspera*. Dead only. (Milne)." *itala*" *acuta*.*Pupa cylindracea**Coch. labialis**Limosa puer.*" *truncatula**Pisidium pusillum*

(130)

" *obtusum*. ✓ Peaty water form.

Dunleavy 13. 7. 08.

aprio. apertis

" *laevi*.

limax arboreus

" *maximus* (G. D. Carter).

arion ater

" *suffusus*

" *hortensis*

" *fusciata*

" *intermedia*

Vitrea palluicula

Vitrea detrita

Neen Gweedore Station.

" *schaffi*

" *alliana*

" *nitidula*

+ var. *lelmi*.

" *crystallina*

Jon. excavata

Much common there in 1908.

Helix rotundata

" *lispida*

" *neborali*

" *fusca*

bock. lubrica

bagchi minor

limosa parva

" *tumescula*

clausili. tidentata

Bulca pumila

Dunleavy continued

Pupa cylindrica

Vertigo pygmaea

" *edentula*.

anaglyptus flaviventris

Planorbis pumila

Unio marginatus

Neen Gweedore station in Glady River.

Cisidina pusilla

" *fontinalis*

Britt Island north of Burtin Port.

14/7/09.

aprio. apertis

" *laevi*

limax arboreus

arion ater

Big & black.

" *intermedia*

Almost black. Identified by W. D. Roebuck as *a. hortensis*. But Milne & I both think he was wrong. It was only like *a. hortensis* in colour.

Vitrea palluicula

Vitrea alliana

+ var. *nitidula*.

Helix pygmaea

" *excantia*

Correct! G. S. S. 1924

" *costata*

" *lispida*

(Milne)

" *itala*

V. laryx.

" *acuta*

Britt Island continued.

Helix nemoralis
 " *aspera*.
 " *rotundata* (Mills)
Barzchi min
Purpura muscorum
Vertigo antientis
 " *pygmaea*.
Succinea ~~pygmaea~~
 " ~~schrenckii~~
Lirioia pueri
 " *truncatula*
Planorbis cincta
 " *glabra*
 " *spirorbis*.
Pisidium nile
 " *pusillum*
 ?

Pis. patellula ? (132)

Keadew Sand Dunes (Keadew)

also on Irishing 15.7.08.

Agriol. apertis
 " *laevis*
Amelie papata
Arca ~~ata~~
 " *intermedia*
Vittoria pellucida
Vittoria allisii
 " *radiata*

also on Irishing

" " "

Keadew continued

Helix rotundata
 " *terpida*
 " *nemoralis*
 " *acuta*.
 " *itala*
 " *costata*

also on Irishing

also on Irishing

also on Irishing

On Corrie Island only.

~~As there are two *V. concentrica* Sluski from Irishing~~

Boh. lubrica.

Barzchi min

Purpura cylindrica

On Corrie Island.

Vertigo pygmaea

also on Irishing

" *antientis*

Aplisa hypnorum

Lirioia pueri

Var. *Boingi* + *ovata* (small).

" *auriculata*

Var. *acuta*.

" *palustri*

" *truncatula*

Planorbis cincta

" *glabra*

" *spirorbis*

Pisidium nile

" *pusillum*

" *patellula*

(133)

Succinea elys

Typical sp. by stream in sand dunes.

" *glabra*

On Irishing

Irishing to Arland's Lough

Magilligan, Co. Derry. 17.9.08.

Agrius apertus
arion ater
 " *suffusus*
 " *hortensis*
 " *fasciatus*
Vitrea pellucida
Vitrea cellana
 " *nitidula*
 " *crystallina*
Helix hispida
 " *rufescens*
 " *excubitor*
 " *rotundata*
 " *nevoralis*
 " *hortensis*
 " *itala*
 " *acuta*
 " *capitata*
Bochliopsis lubrica
Pupa cylindrica
Clausilia bidentata
Limnaea purpurea
 " *transversata*
Planorbis spirorbis
Valvata piscinalis
Cerithium pusillum

at townhill

beach.

above townhill on road to Bostwick.

With *H. rufescens* near townhill. all labelled 30000.

White park & Ballintoy. Co. Antrim.
 18.7.08.

Agrius apertus
arion ater
 " *suffusus*
 " *hortensis*
 " *fasciatus*
 " *intermedius*
Vitrea pellucida
Vitrea hibernica
 " *nitidula*
 " *radiatula*
 " *pura*
 " *crystallina*
 " *fulva*
Helix rotundata
 " *hispida*
 " *aculeata*
 " *nevoralis*
 " *aspera*
 " *itala*
 " *acuta*
 " *virgata*
Boch. lubrica
Boch. nina
Pupa cylindrica
 " *anglica*

And.

Vertigo pygmaea

" *substriata*

" *edentula*

Clausilia bidentata

acule lineata

3

Var. *pallida* + *alba*.

Marlough Bay Galway. 19.7.08.

Agriolaptes
lucorum

" *maxima*

Arion ater

" *hortensis*

" *suffusus*

" *foveolatus*

" *intermedius*

Vitrea pellucida

Vitrea litorea

" *allianii*

" *nitidula*

" *crystallina*

Helix rotundata

" *hiopida* var. *alba*.

" *nemoralis*

" *arturtoni*

" *aspera*

Boch. lubrica

Blasidella bidentata

Bolea parva

Pupa cylindrica

Donaghadee, Millisle & on to Ballysaltent.
Co. Down. 24-27. Sept. 08.

Agriolaptes

Arion ater

" *hortensis*

" *foveolatus*

" *intermedius*

Vitrea pellucida

Vitrea litorea

" *nitidula*

" *crystallina*

Helix rotundata

" *hiopida*

" *nemoralis*

" *aspera*

" *acuta*

Near Ballysaltent.

Pupa cylindrica

Boch. lubrica

Bolea parva

V. common on all walls near sea.

Blasidella bidentata

Vertigo pygmaea

Vitrea scaberrima June 1st 1909?
at Millisle?
Arion & *Vallonia* *excelsa* & *rotundata* at Millisle & Ballysaltent
Nov. 28th '09.

Bollin Glen, Belfast. Co. Antrim
A.W.S. + B.W. 3.10.08.

Agrius apertus
" *laevis*
Lixes atrum
Atrion ater
" *subfuscum*
" *hortensii*
" *fusciatilis*
Vitrea pellucida
Vitrea crystallina
" *pura*
" *nitidula*
" *fulva*
Helix rotundata
" *lispida*
" *neurosalis*
" *fusca*
Boch. lubrica
Barzchi minor
Purpura anglica
Clavus bidentatus
Vertigo edentula
Anagallis flavicollis

(*Helix aspersa* occurs in the upper part of the
glen + *H. lamellata* in the lower part).

Kinnegar, Holywood, Co. Down. 4.10.08.

Agrius apertus

" *laevis*

Atrion ater

" *intermedium*

" *fusciatilis*

Vitrea radiatula Var. *viridula*.

" *crystallina*

Barzchi minor

Lixes purpurea

Planorbis umbilicatus

" *spirorbis* ? living near east side but seemingly keeping

" *leucostoma* to different drain, although they overlap in area.

Luccinea pfluffi

Anagallis flavicollis

Pisidium pusillum

" *officinale*

" *pulexellum*

2/ All *Pl. leucostoma*, but of two forms. A.W.S.

(135)

Revensay Level, near Eastbourne, E. Sussex
A.W.S. 29-3-09

Pisidium 1354

Clare Island Survey. Easter, 1909.

Achill Island near Sound. 8th April.

Limosa truncatula In pools along roadside.*Pisidium pusillum*? = *personatum* B.S.B.W." *obtusale* & Var. *emarginata* (Identified by J.W. Taylor.) = *personatum* B.S.B.W. (136)

In Woods north of Mr. Pike's house,

Agriolimax agrestis" *laevis**Arion ater*" *laticornis*" *intermedius**Jon. excavatus*

only type seen here. Very common.

Euconulus fulvus

Common.

Sphyradin edentula

Several specimens.

L. Lough

Limosa peregrina. A very small form resembling var. *lacustris*.*Pisidium nitidum* & Fairly common. Verified by J.W. Taylor = *obtusale* B.S.B.W." *obtusale*, *pusillum* & *lilljeströmi* (B.S.B.W.) (137)

along shore north of Achill Sound.

*Vitrea radiatula**Jon. excavatus*One specimen of var. *viridula**Puncta pygmaea*

One specimen.

*Sphyradin edentula**Barpa cylindrica*

Clare Island. 9th April 09.

Achill Harbour & Sound No. 3.

Arion ater" *subfuscus*" *fasciatus**Agriolimax agrestis*" *laevis**Vitrea radiatula**Jon. excavatus**Helix hispida*" *retundata**Barpa cylindrica**Arion ater*" *subfuscus**Agriolimax agrestis*" *laevis**Limax arvensis**Succinea**Vertigo antevortice**Limosa truncatula**Planorbis**Pisidium pusillum*

All specimens to more of less banded.

Common

Fairly common

Abundant all over

Rare

Fairly common

Fairly common

Fairly common

Fairly common

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Fairly common

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Black Mountain
1272 ft.

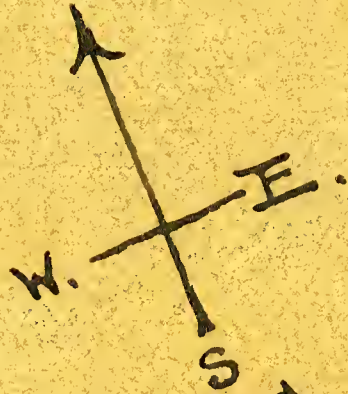
White
Rock
Quarry

Steeple

White Rock New Road

White Rock Road

Christ
+ Church



Clare Island Survey. Easter, 1909.

Achill Island near Sound. 8th April.

Limosa truncatula In pools along roadside.*Pisidium pusillum*? = *pernatum* B.B.W." *obtusale* Var. *conspicua* (Identified by J.W. Taylor) = *asseratum* B.B.W. (136)

In Woods north of Mr Pike's house,

Apis. agrestis" *laevis**Arion ater*" *hortensis*" *intermedia**Jon. excavatus**Euconulus fulvus**Sphyradin edentula*

only type seen here. Very common.

Common.

Several specimens.

L. Lough Lough

Limosa peregrina. A very small form resembling var. *lacustris*.*Pisidium nitidum* Fairly common. Verified by J.W. Taylor = *obtusale* B.B.W." *obtusale*, *pusillum* & *lilljeströmi* (B.B.W.) (137)
along shore north of Achill Sound.*Vitrea radiatula**Jon. excavatus**Buccina papyracea**Sphyradin edentula**Barpa cylindracea*One specimen of var. *viridula*

One specimen.

Clare Island. Div. No. 1. 9th April 09.

Between Harbour & Area No. 3.

All specimens for more of less banded.

Common.

Fairly common in places.

Nearly all var. *brunnea*.

Rare

a few.

all type. Common.

Common in field on left of road up to school house.

Common.

Common.

Lough Avullin

Area No. 3. Shores of Lough Avullin near Mamm.

Arion ater" *subfuscus**Agriolimax agrestis*" *laevis**Limax arboreus*

One very pale specimen with very black spots.

Succinea?

Young specimen very common around Lough.

Vertigo antiverstigi

Common in rejectamenta alive.

Limosa truncatula

Common.

Planorbis spirorbis

Only one young specimen seen here.

Pisidium pusillum?

(138)

also taken in same place

on 12-12-09.

Area No 3. In moss on hillside above Maun.

Arion ater
 " *suffusus*.
 " *intermedius*
Vitrea radiatula
 " *crystallina*
Jon. excaratus.
Helix rotundata
 " *pygmaea*
 " *lamellata*.
 " *aculeata*.
Bochlicopa lubrica
Carychium minimum
Clausilia bidentata

Area No 6. Under stone along cliffs.
 above Tonaltavine. 500-400 feet.

Arion ater
 " *suffusus*.
 " *intermedius*
agriolimax agrestis.
 " *laevis*.
Vitrea pellucida
C. n. pa cylindrica

Area No 2. Collected in village above Abbey.

Arion ater.
 " *suffusus*.
agriolimax agrestis
 " *laevis*.
Vitrea pellucida
Vitrea alliana
Helix rotundata
 " *aspera*.
C. n. pa cylindrica
Pisidium pusillum?

all var. *viridula*.

= *personata* B.B. Woodward.

(139)

Area No 1. In No 2 along coast to Harbour.

Arion ater
 " *suffusus*.
agriolimax agrestis
 " *laevis*.
Jon. excaratus.
Vitrea radiatula
 " *nitidula*.
 " *crystallina*
 " *alliana*

Vertigo pygmaea. Very small.

Bochlicopa lubrica

Carychium minimum

Limnaea truncatula.

Pisidium pusillum = *personata*

B.B.W.

(140)

Sphyradin clatatus.
Helix patula
 " *itala*
 " *remoralis*
C. n. pa cylindrica

Identified by J.W. Taylor as *Vallonia excentra*, "Stanka".

a very local colony on a bluff where the sheep apparently could not get at the grass.

Very rare indeed. Libellula 00300. + one type.

Correct! In mt. coll. labelled
 "Harbour" mixed with some
 on 19/9/09. G.W.S. 1924
 taken

Clare Island. continued.

Foormore, Area No. 7. (West End).

10th Ap. 09.

*Linax artorum*Very common, large & much
spotted almost down to sea level.*Milax pagatus*Common with *L. artorum*.*agriolus, agrestis**" laevis**arion ater**" intermedius*(arion subfuscus was a notable absentee during
this morning's collecting.)*Vitrea allisaria*Var. *viridula* common.*" radiatula*

Mostly type.

*For. excavatus**Euconulus fulvus**Helix rotundata**bagchi minor**Cochlicopa lubrica**Clausilia bidentata**Limnaea peregrina*Also *Purpura cylindracea*.
Very common with *L. artorum* & *M. pagatus*.
Several small high spired forms = *Longneptonea*.
below old 'Watch Tower'.*Planorbis spirorbis*a thick & very small form taken with *L. peregrina*.*Pisidium pusillum*

Identified by J. W. Taylor

" nitidum

(141)

Craig more

S. L. Neptonea.

(141A)

Area No. I continued.

Shore north of Harbour. 11th April. 09.

Var. *viridula**Vitrea allisaria**Euconulus fulvus**Helix pulchella**" aspersa**" nitida**Cochlicopa lubrica**bagchi minor**Purpura cylindracea**Vertigo pygmaea*Identified by J. W. Taylor as *Valvonia excentrica*, Sturki.
In pile of stones near 'The Pound'.
A sand dune near 'The Pound'.Area No. 8. Broadmore, 800ft alt, north slope
of cliff with alpine plants.
11-4-09.*arion ater**" subfuscus**" intermedius**agriolus, agrestis**Linax artorum**Vitrea allisaria**" nitidula**" pura**" crystallina*Very large var. *nitidosa**Helix rotundata**" aculeata*

Clare Island continued.

Broaghmore N^o 8. continued.

Helix lamellata

" *fusca*.

Bohliopsis lubrica

Garychium min.

Blausilia fidentata

Purpura cylindracea

" *anglica*.

Hydrobia edentata

Two dead shells in moss.

Area N^o 8. continued.

In hollow above cliffs boatfast.

11.4.07.

Agriolimax laevis

" *agrestis*

Ari. atr.

" *suffusus*.

" *intercedens*

Vitrea alliana

Var. *viridula*.

" *nitidula*

" *radiatula*

" *crystallina*

Purpura cylindracea

Area N^o 3. continued.

From old scrub above Lough Arallin
2nd haul of moss. 11th ap.

Vitrea pellucida

Vitrea alliana

var. *viridula*

" *radiatula*

Helix lamellata

" *pygmaea*

" *aculeata*

" *rotundata*

Bohliopsis lubrica

Vertigo subtristis

Area N^o 5. "Light House Pool" 11.4.07.

Limnaea pereger. "Breeding"

Pisidium obtusum B.B.W. (142)

Area N^o 6 continued. Baggan Lough. 11.4.07

Limnaea pereger.

Pis. caeruleum B.B.W. (142A)

" *Murex* B.B.W. "

Lough Murrignagh.

Limnaea pereger.

Pis. caeruleum B.B.W. (142B)

N^o 3.

Helix italica sent me by R.L. Cooper from
cliffs S.E. of Light House - May, 1907.

Shore Island continued.

Area No 1 continued

Shore from No 2 to Harbour. 12.4.09.

Agriolima agrestis

Mytilus gajatus

Arion ater

" *subfuscus*

" *intermedius*

Vitrea alliania Var. *viridula*

" *radiatula*

" *crystallina*

Helix papyracea

" *pulexella*

" *retundata*

" *itala*

" *remourelti*

Bochliopa lubrica

Carychium minutum

Barpa cylindrica

Vertigo edentata

" *papyracea*

" *subtristis*

Clausilia bidentata

one specimen only.

Also a specimen - dead + broken - resembling
Vitrea oscharffi of Kennard on bluff south of
Gracia Wals' Castle in grass with *V. viridula*
+ *B. remourelti*.

V. alliania

1/2 papyracea

Area No 2 continued.

The graveyard & Abbey. 12.4.09.

Limax arborum

Arion ater

" *subfuscus*

Agriolima agrestis

Vitrea cellaria

" *alliania*

" *radiatula*?

" *crystallina*

Helix aspersa

" *hispida*

Barpa cylindrica

Clausilia bidentata

all the white form. Some very fair size dead.
M. viridula

Very common.

Area No 1. continued

Ditch on left side of road on way from
Harbour to Abbey (1/2 mile). 12.4.09

Limax papyracea

" *truncatula*

Planorbis spirorbis

Planorbis pumilus

(143)

Sand dunes at Harbour 12.4.09

Helix aspersa

" *pulexella*

" *hispida*

" *itala*

" *aspersa*

Very rare (Præger). Found to one little dune.

Animals all very fresh.

Blare Island continued.

Area No. 1 continued. Shore from Harbour to Kinnacorra.
12th Ap. 07.

Lima *arborescens*
Agriolimax *agrestis*
Arion *ater*.

" *sulphureus*.

Vitrea *alliarum* Type & var. *viridula*

" *radiatula*

" *crystallina*

Zon. *excavatus*

Euconulus *fulvus*? ✓

Helix *aspersa*.

" *renovata*.

A colony under stones in a brambly thicket south (1/4 mile) of Kinnacorra. Mostly much weathered but one lovely var. *rubella* ooooo.

" *rotundata*

Boeckllops *lubricus*

Carychium *minimus*

Vestis *pygmaea*

Carychium *glaberrimum*

" *angusta*.

Area No. 3. continued.

Coast near Maun. 12.4.07.

Lima *arborescens*

Agriolimax *agrestis*.

Arion *ater*.

Carychium *glaberrimum*

Blaschkeia *viduata*

At Curraun on the Curraun Peninsula
14th Ap. 07.

Agriolimax *agrestis* Common.

Lima *arborescens*

Mitax *gagates*

Arion *ater*

" *sulphureus*

" *hortensis*

" *fasciatus*

" *intermedius*

By roadside from Achill Sound.
Only a few seen.

all apparently common.

Vitrea *pellucida*

A few dead.

Vitrea *cellaria-hibernica*.

A large quantity of magnificent specimen under stones & walls along sea between the village of Curraun & sand dunes at the entrance to Achill Sound.

" *alliarum*

all var. *viridula*.

" *radiatula*.

Common.

" *crystallina*

a few.

Zon. *excavatus*

Type only. A few.

Euconulus *fulvus*.

Not rare.

Helix *pulchella*

Helix *excentrica* ✓ A.D.S. 1924.

" *aspersa*.

By abundant along sand-dune walls.

" *renovata*

Great varieties. Some beauties.

" *cooperata*

Common.

" *itala*

Small & common.

" *rotundata*

Common.

Boeckllops *lubricus*

Common.

burream continued.

Larychin minim common.*Purpa cylindracea* common.*Vertigo pygmaea* a few of each in marsh." *antivertigo**Planorbis spirorbis* only in one spot.*Limnaea peregra* " " "*Pisidium pumilio* " " "+ *var. grandis*. Near Achill found + also with last 4 spec.

Verified by J. W. Taylor.

(144)

+ (144 A)

Murrisk Abbey. Mayo West. 15th ap. 09.

*agris. agrestis**aria ater*" *subfusca*" *fasciata**Vitrea nitidula*" *radiatula*?*Helix rotundata*" *hispida*" *rufescens*" *aspera*

+

*Milax gagates**Purpa cylindracea**Planorbis pidentata*

all in graveyard

+ *varis*.+ *Larychin minim*
Cochlicopa lubrica.By roadside from Westport to edge of
Limestone area, on way to Loughborough.
Mayo West. 15th April. 09.*agris. agrestis**Milax gagates*. Rare.*aria ater*" *subfusca*" *hispida*" *fasciata**Vitrea pellucida* Dead only.*Vitrea nitidula* Rare.*Helix rufescens*" *rotundata*" *hispida* Rare." *rufescens* Some nice white shells." *itala**Purpa cylindracea**Larychin minim**Cochlicopa lubrica**Planorbis pidentata**Balea perversa* Rare.*Vertigo pygmaea*" *antivertigo* only one

Roona Lough & drain & sand
dunes along shore 8 miles south
of Louisburgh. Mayo West. 15th Apr. 1904.

agriolinx agrestis

" *laevis*

arion ater

" *intermedius* only on.

Milax gagates

Jon. nitidus Rare.

Helix itala Very small. The only shell seen on the sand dunes

Bohlius labris

Vestigo antevestigo

Succinea plicifera

Aplecta hypnorum

Limnaea peregrina

" *stagnalis*

" *palustris*

" *truncatula*

Planorbis cristata

" *contorta*

" *spirorbis*

" *alba*

" *glabra*

Both living together.

Bythinia tentaculata Very fine.

Valvata piscinalis Idem like *V. alpestris*.

" *cristata*

Planorbis pusillus

" *nitidus*

Identified by J. W. Taylor (?) 14th.

14⁵

Roadside near Louisburgh
Mayo West. 15th Apr. 07.

Limnaea peregrina

" *truncatula*

Planorbis spirorbis

Planorbis pusillus

"

146

Westport. roadside collecting towards
Ballin Lough on way to Newport.
Mayo West. 16th Apr. 07.

agriolinx agrestis

arion ater

" *suffusus*

" *hortensis*

" *fasciata*

Vitreus cellarius

" *crystallinus*

Helix rotundata

" *rustica*

" *remoualdi*

" *aspera*

" *suffusus*

" *itala*

Bohlius labris

Blasileia bidentata

Very broad specimen

(somewhat like *B. rolphi* in appearance)

Purpura cylindracea

Vestigo pygmaea.

113. Found nothing in
Ballin Lough but
it was flooded.

along bank of river below Station & on
side of Railway bank at Westport.
Mago West, Evening 16.4.07.

agrio. agrestis

" *laevis*.

arion ater

" *subfuscus*.

" *intermedius*

" *fasciatus*

Vitrea cellaria

" *alliarica* Var.

" *radiatula*

" *crystallina*

Zonitoides nitida

Euconulus fulvus.

Helix rotundata

" *rupestris*.

" *rufescens*.

" *hispida*.

" *itala*.

" *nemoralis*.

" *aspera*.

Pupa anglica

" *cylindracea*

Bocheiopsis latia

Barz chin mini

Blasirelia fidentata

Rather like *V. Scherffi*, Kennard,

Rare.

Fairly common on railway embankment.

Westport Station continued.

Very fine specimen - ditch running down to river.

Sphyradin edentata

Vertigo pygmaea.

" *antivertigo*

Succinea patris

Physa fontinalis

Limnaea pereger

" *palustris*

" *truncatula*

Planorbis albus

" *spirorbis*

Valvata piscinalis

" *eristata*

Bythieria tentaculata

Anodonta cygnea

Sphaerium cornu.

Cisidium pusillum

" *milli*

" *pulchellum*?

a small form in river where railway crosses it.

Verified by J. W. Taylor.

147

Upper Holmwood, Co. Down.

awd + J. B. D. 24/4/09

anion ater

" *subfusus*

" *hortensis*

" *fasciata*

" *intermedia*

agris. agrestis

limax, arborum

Vitrea roscitula

Helix rotundata

" *subfusus*

" *nemoralis*

Very common half way up the Fy hill - Church St.

Bochliopa lubrica

Blasilia bidentata

Old Mill ^{near} ~~to~~ Farn Hill, between Bonke
+ Ballygowan. Co. Down. awd + J. B. D.
9.5.09.

agris. agrestis

" *laevi*

Anion ater

" *subfusus*

" *intermedia*

Vitrea pellucida. Dead only.

Vitrea cellaria Probably *V. hibernica*, Kennard.

"

" *alliaris*

" *crystallina*

Helix hispida

" *aspera*

Bochliopa lubrica

Pupa cylindrica

Blasilia bidentata

Limnaea peregrina

" *palustris*

Planorbis caucostoma

" *contorta*

Physa fontinalis

Angulus fluviatilis Very fine in the "tail race" of the old mill.

Valvata piscinalis Very common.

Planorbis fontinalis

" *fontinalis*?

Ballyrush Moss near Ballygowan.

Co. Down AWS + F.B.B. 9.5.09

Limnaea peregrina Type + Var *Boissagi*.

" *palustris*.

Cerithium pusillum ✓

" *millii* ✓

(149)

Gill's Quarry at Ballygowan Co. Down.
9.5.09.

Limnaea peregrina.

Ballyallagh Lough, near Comber, Co. Down
9.5.09.

Limnaea peregrina

" *palustris*

Physa fontinalis

Planorbis cristata

" *fontanae*

" *contorta*

Valvata cristata

Bythinia tentaculata

Acroloxus lacustris

Cerithium millii ✓

" *pulex* ✓

" *nitida* ✓

Verified by J. W. Taylor.

(150)

Magherascanone Lough at Ballygowan, Co. Down
AWS + F.B.B. 9.5.09

Limnaea peregrina

" *palustris*

Physa fontinalis

Planorbis albus

" *leucostoma*

" *contorta*

Acroloxus lacustris

Valvata cristata

" *princialis*

Sphaerium cornu

Cerithium pusillum ✓

" *millii* ✓

" *pulex* ✓

Verified by J. W. Taylor.

(151)

Ditch 2 miles north-west of Droghda, Co. Louth
AWS. 14.5.09.

Anomalon

Helix rotundata

" *hiemalis*

" *nemoralis*

" *aspera*

Succinea sp?

Cypsa glabra

Limnaea palustris

" *pusillum*

Very small + like S.E. English examples.

Dead.

Dead.

Young specimen only - like S. putri.

In ruins of cottage where road to
Mellport leaves main road from
Drogheda to Colleen. Co. Louth.

AWB. 14.5.09.

Agrio. agrestis
Leris. maximus

" *flavus*.

Arion ater

" *suffusus* Very fine.

Vitrea scharffi ?

+ *Boeckliopa lubrica*

Helix hispida also fine.

Pupa cylindracea

Brachia perversa Rare.

In marsh by right of road.

Succinea Pfeifferi

Limnaea palustris

Planorbis contorta

Pisidium pusillum

152

marsh

Round old cottages near Millowin Cottage
1 mile east of Colleen, Co. Louth. AWB. 14.4.09.

Leris. arfoum

" *maximus*

Agrio. agrestis

Arion ater

" *suffusus*

" *fasciatus*

a brownish form.

fasciatus (189)!

M.K. 1972

Near Colleen continued

Milax gagates

Vitrea pellucida

" *pyrenaica*

2nd British
record.
see I.N.

Over a dozen dead specimens - some very fine -
at the root of grass in company with
V. pura, *Helix rotundata*, *H. hispida* & *Boeckliopa*.
This is 1 1/2 east of Giverson's original habitat in
Temple demesne.

Vitrea scharffi ?

" *nitidula*

" *pura*

Very common (type) but all dead.

Helix rotundata

" *hispida*

" *memoralis*

" *aspera*

Boeckliopa lubrica

Pupa cylindracea

Vertigo pyraea

One specimen only.

Go Meath.
AUG. 14. 5. 09

Roadside from bollon to Slane.

Arion ater
" *hortensis*
Very large & black in wood at bollon bridge.
With above.

Agriol. agrestis
Vitrea ~~schaffi~~

" *crystallina*

" *pura*.

With *A. ater*.

Helix rotundata

Bohliopa lubrica

Pupa anglica.

In moss in ditch 2 miles from Slane.

" *glabrata*.

Helix nemoralis

" *aspera*.

In quarry hole above Slane.

Limnea peregrina

" *palustris*

Valvata pinnata

Extraordinary specimen. Very large & high spired. Almost like *V. antiqua*, Louth. from Slane deposits.

Pisidium pusillum

" *puberulum*

" *fontinalis*

(153)

Bozre Canal opposite Slane
Go Meath. AUG. 14. 5. 09.

Agriol. agrestis

Arion ater.

" *fasciatus*.

" *subfuscus*.

Vitrea pellucida

Vitrea cellaria.

Probably *V. schaffi*. A.S.K.

No. typical *V. cellaria*.

" *alliaris*.

One specimen.

"

"

Helix rotundata

" *rupestris*

" *hispida*.

" *rufescens*.

" *nemoralis*

" *aspera*.

Bohliopa lubrica.

Succinea putris

" *pfeifferi*.

Pupa glabrata

" *muscorum*.

Paludina fusca

Blaschkeia bidentata

Limnea peregrina

" *palustris*

Physa fontinalis

Planorbis alternus?

" *carinatus*. Very typical

Valvata cristata

" *piscinalis*.

Bythinia tentaculata.

Sphaerium corneum.

Pisidium amnicum

(154)

Marsh + below Viaduct at Drogheda.
Co. Meath. A.W.S. 14.5.09.

Arion ater

Vitrea lucida

Dead only. I have now no doubt that the
specimens taken here by myself + C.E. Wright
- Sept. 06. see p. 70. are true *Vitrea lucida*.

Helix virgata

Dead.

" *acuta*

Dead.

" *aspera*.

" *rotundata*

Pupa cylindracea

" *muscorum*.

Limnaea peregrina

High spire.

" *truncatula*

Succinea Pfeifferi

Paludestina jenkinsi

" *stagnalis*.

NB.

The *Helix hispida* of the Bogne Valley,
resembles very much of those from
the S.E. of England.

Drogheda. B.N.F.C. Excursion.

River Bogne + at Obelisk.

Co. Louth. A.W.S. 22.5.09.

Agriolimax agrestis

Arion ater

" *rusticus*.

Vitrea schaffneri

" *nitidula*

Var. *helmi*.

Helix rotundata

" *rupestris*

" *asperata*. All dead.

" *hispida*.

" *rupestris*.

" *aspera*.

" *memoralis*.

Bochliopsis lubrica

Pupa cylindracea

Blasilella bidentata

Laccinea patris

Planorbis carinatus

" *contorta*

Limnaea peregrina

" *palustris*

One curiously thickened shell on stone in river.

Bythinia tentaculata

Valvata piscinalis.

Bogus opposite Obelisk. Co Meath.
R. awl. 22.5.09.

Agris. apertis

Vitrea schaffi

Helix rotundata

" *rufescens*

" *hortensis*

Succinea putris

Blanusilla bidentata

Purpa cylindracea

One typical specimen taken by Mr Knaboschke Junr.

Newgrange Tumulus &c. Co Meath.
R.W., J.N.M. & awl. 22.5.09.

Limon. artem.

Agris. apertis

Am. ater

" *suffusa*

" *intermedia*

Vitrea pellucida

Vitrea nitidula

" *schaffi*

Helix rotundata

" *leipida*

" *rufescens*

" *memoralis*

" *aspera*

Purpa cylindracea

Blanusilla bidentata

J. N. Milne.

F. Balfour Brown
took *Planorbis*
umbilicatus in canal
opposite Newgrange.
22.5.09.

Bank of Mattock River opposite Mullifont.
Co Meath. awl & J.N.M. 22.5.09.

Am. ater

Helix aspersa

" *rustica*

Bochliopsis lubrica

Purpa cylindracea

Blanusilla bidentata

Mattock River.

Anagallis flavida

Mullifont atty &c. Co. Louth.
R.W., J.N.M. & awl. 22.5.09.

Agris. apertis

" *laevis*

Am. ater

" *suffusa*

" *intermedia*

Vitrea pellucida

" *pyrenaica*

The dead shell found by R. Welch on wall
of churchyard just above Mattock River.

Vitrea schaffi

" *nitidula*

Encrinurus fulvus

Helix rotundata

" *rustica*

" *leipida*

Mellipont. Co South. Continued.

Helix rufescens
 " *nemoralis*
 " *aspera*
Bochliopa tubic
Pupa cylindracea
Blasidia fidatata

Monasterboice Abbey &c. Co. South.
 R.W., J.W.M. & Aust. 22.5.09.

Arion ater
 " *suffusus*
 " *hortensis*
Agrius agrestis
Lias artem.
Vitrea pellucida
 " *pyrenaea*

Two alive (R.W.) & about a dozen dead at roots of grass among moss.

Vitrea schaffi
 "
Helix rotundata
 " *hispida*
 " *nemoralis*
 " *aspera*
Bochliopa tubic
Pupa cylindracea
Blasidia fidatata

Bushfoot. Tramway bridge over Bush River.
 Aust. R.W. & F.B.-B. 29.5.09.
 Co. Antrim.

Arion ater
 " *hortensis*
 " *fuscus*
Agrius agrestis
Vitrea alliana. Dead.
 " *pura*
Eucnemis fulva
Helix hispida
 " *nemoralis*

Luccinea Pfeifferi
 (*Planorbis carinatus*. 1898).
 (*Valvata piscinalis* 1898).
Bythinia tentaculata
 (*Limnaea peregra* 1898).
Pisidium pusillum

(155)

" *officinale*
 " *fontinale*
 Along Tramway on Sand Dunes towards Giant's Causeway.

Helix itala
 " *capitata* all dead.
 " *hispida*
 " *nemoralis*
 " *aspera*
Bochliopa tubic
Blasidia fidatata

Buckport. Swamp in Sand Hills.
Co. Antis. 29.5.09

Arion ater.

Agriol. agrestis.

" *laevi*.

Vitrea radiata + *crystallina* (Va. *contracta*?)

Eucnemis fulvus.

Helix rotundata.

" *hipida*.

" *pygmaea*.

Pupa anglica.

Common.

" *cylindracea*.

Rare.

Sphyradin edentata.

No dead broken shell.

Vertigo substriata.

Quite common.

Bochliopa lubrica.

Succinea Pfeifferi.

Barzchi nana.

Limnaea peregrina.

Acicula lineata.

Psidium pusillum.

(156) missing.

Sandarac Wood, Bucknall.
Co. Antis. ant. 29.5.09.

Linea marci.

Spotted. Very fine.

Arion ater.

" *suffusus*.

" *fasciatus*.

Agriol. agrestis.

Vitrea pellucida.

a few very fine dead specim.

Vitrea hibernica?

a large colony of exceedingly large shells.
Quite as large as ordinary *V. lucida*.

" *nitidula*.

Helix rotundata.

" *hipida*.

Very fine specim.

Pupa anglica.

No specim.

Blasilia fidatata.

Sandarac Church & Co. ant. 29.5.09
Co. Antis.

Arion ater.

" *suffusus*.

Agriol. agrestis.

Vitrea ?

No young probably *V. hibernica*.

" *albicans*.

Helix rotundata.

" *hipida*.

" *pygmaea*.

" *memoralis*.

Pupa cylindracea.

Bochliopa lubrica & *Blasilia fidatata* (See I. IV. 1901).

In flux da
200 yd. at
Church.

Planorbis
contracta.

ant.

Kilbough Marsh, Co Down.

aut. RW + F.O.D. 13.6.09.

Agriol. agrestis" *laevi*.*Anion ater*" *subfuscus**Vitrea nitidula*. Dead.*Eucorallus fulvus**Helix rotundata*" *lispida*" *memoralis**Bohlinia labrica**Carychium minutum**Pupa cylindracea**Succinea Pfeifferi* Very fine & large.*Vertigo pygmaea**Physa fontinalis**Aplista hypon**Limnaea peregr.*" *palustris*" *truncatula**Planorbis spirorbis* Very fine" *contorta*" *corinathus*" *crista**Valvata cristata*" *pinnalis**Bythinia tentaculata**Glycymeris ~~laevi~~**Pisidium pusillum*" *fontinalis*" *pulchellum*

157

Paludetrina ventrosa. Common in backish lake. Slender form. ^{1st record for} Co. Down." *stagnalis* With *P. ventrosa*

"The white bog" & on towards St. John's Pt,
Kilbough, Co Down. 13.6.09.

Anion ater" *subfuscus**Agriol. agrestis**Vitrea pallidula* Dead.*Vitrea schaffi*" *alluvialis*. Dead. Var. *viridula*" *nitidula*. Dead." *crystallina**Helix nemoralis*" *aspera*" *lispida*" *rotundata**Pupa cylindracea**Clausilia bidentata**Succinea Pfeifferi*

"The white bog" Killough continued.

Limnaea peregrina
 " *truncatula*
 " *palustris*
Planorbis coriacea
 " *contorta*
 " *spirorbis*
Pisidium nile

A small form not sharply keeled.

(158) *Murina* *brachy* correct.
 See Vol. p.

Acton Wood near Poyntypass, Co. Armagh.
 Aug. 20. 6. 09.

Arion ater
 " *hortensis*
Vitrea pellucida
Vitrea nitidula
 " *allium*
 " *pura*
 " *radistula*
 " *crystallina*
Eucornutus fulvus
Helix rotundata
 " *renacilis*
 " *aspera*
Cochlicopa lubrica
Physa edentata
Purpura anglica
 " *cyllindracea*

Dead.

Type common alive.

Young alive. Full grown dead shells common.

Rare.

Vitrea cellanea? one dead spec.

& *Glacilia bidentata*.

Small lake near Farna - Co. Armagh.

Aug. 20. 6. 09.

Limnaea peregrina
 " *palustris*
Succinea papyracea
Physa fontinalis
Planorbis coriacea
Valvata cristata
 " *piscinalis*
Bythia tentaculata
Sphaerium concum
Pisidium nile

Very abundant.

(159)

Canal tanks from Poyntypass to Lymington Bridge
 near Portadown - Co. Armagh.
 Aug. 20. 6. 09.

Agriolimax agrestis
Limax ater
 " *maximus*
Arion ater
 " *suffusus*
 " *fuscus*
Vitrea pellucida
Vitrea litoralis
 " *crystallina*
 " *nitidula*
Helix rotundata

Lymington Bridge

" "

Lymington Bridge.

Dead.

Lymington Bridge

Barrel near Portadown continued.

- Helix lipida*
 " *renovata* several white tipped. One near Larn very like *H. lentiginosa*.
 " *aspera*
Bohliopa tubica
Blasilia bidentata
Pupa cylindracea
Succinea putan One near O'neil's Bridge. Very pale amber colour.
 " *ffiffenii* O'neil's Bridge
Physa fontinalis
Limnaea peregrina
 " *stagnalis*
 " *pulchra*
Planorbis contorta
 " *carinata*
Bythinia tentaculata
Valvata ovata
Sphaerium cornu
Pisidium amicum One dead valve - took at Larn Junction.
 " *nili*
 " *fontinalis*
 " *psidium*

(160)

Larn Junction, Co. Lerry.

Aug. & Feb. 23. 26.6.09.

- Limnaea* near
agris. agrestis
aurum. atrum
 " *suffusa*
Vitrina pellucida Dead.
Vitrina nitidula Dead.
Helix lipida
 " *itala* Young near station.
 " *aspera*
Bohliopa tubica
Planorbis spirorbis
Succinea ffiffenii
Limnaea peregrina
 " *truncatula*
Paludestronia jenkinsi Swarming everywhere
 " *stagnalis* a very small form like *P. ventrosa*.
Physa stagnalis Also its var. *P. denticulata* along sea dyke.
Aplecta hypnorum

NB. J. N. Milne tells me that *Aplecta hypnorum*, *Planorbis cristata* & *P. spirorbis* used to be extremely common - there was before the appearance of *Pal. jenkinsi*. *P. cristata* has now entirely disappeared & the other two sp. are very rare.

Aug. 26. 6.09.

Malworth Woods, Co. Derry.

Aug. 26-6-09.

Species ranked J. N. M. have been taken here by Mr. J. N. Milne
& verified by Dr. Schaeffer.

Lima arborescens

" *maxima*

" *c. niger*

Agrius agrestis

Arion ater

" *suffusus*

" *intermedium*

" *fasciatus*

Vitrea nitidula

" *alluvina*

" *radiatula*

" *pura*

" *crystallina*

Eucosma fulva

Zonitoides excavatus

Helix rotundata

" *remoralis*

" *lamellata*

" *aculeata*

" *fusca*

Bocheiopa tubicicola

J. N. M.

All var. *viridula*.

Var. *viridula*.

Dead.

One spec. var. *viridula*. J. N. M. also

Very common - parts of Wood. J. N. M. also.

J. N. M.

J. N. M.

Pupa anglica

" *cylindracea*

Vertigo edentata

" *pygmaea*

Planorbis bidentata

Bythotrephes cederstroemi

J. N. Milne.

also *Planorbis pusillus* J. N. M.

Valley of the Roe at Roe Park, Limerick
Co. Derry.

Collected by J. N. Milne on B.N.F.C. Excursion 26-6-09.

Lima arborescens

" *flava*

" *maxima*

Agrius agrestis

Arion ater

" *suffusus*

" *hortensis*

" *fasciatus*

Vitrea pallidula

Vitrea nitidula

" *pura*

" *crystallina*

Zonitoides excavatus

Helix rotundata

" *lucida*

" *remoralis*

Dead.

Valley of the Roe continued.

Helix aspersa.
 " *aculeata*
Bochliopa lubrica
Pupa cylindracea
Limnaea puzosii
Pisidium pusillum

J. H. M. collection

B.N.F.C. Annual Excursion. 1909.

Enniskillen, Co. Fermanagh. 7th July.

Arion ater
Agriol. agrestis
Vitrea cellaria. Like *V. laticornis*, Kennard.
 " *crystallina*
Helix rotundata
 " *lispida*
 " *pygmaea*
 " *superciliosa* Lough Joan.
 " *aculeata* In moss on shore of Lough Joan.
 " *memoralis*
Bochliopa lubrica
Pupa cylindracea
 " *anglica*
Blasius fideistata
Limnaea puzosii
 " *palustris*
 " *stagnalis*

Physa fontinalis
Planorbis albus
 " *carinatus*
 " *rotax*
 " *contortus*

Bythinia tentaculata
Valvata piscinalis
Sphaerium cornu
Pisidium pusillum

Lough Joan. (161)

NB. all on bank of River Lough at S.L.V.M.C.F.
except those marked Lough Joan.Lough Gallagh West of Enniskillen, Co. Fermanagh.
10th July. 09.

Helix lispida
 " *rotundata*
 " *memoralis*
Pupa cylindracea
Limnaea puzosii
 " *stagnalis*
Physa fontinalis
Planorbis contortus
 " *carinatus*

Valvata exilis
 " *piscinalis*
Bythinia tentaculata

Sphaerium cornu
Pisidium pusillum
 " *nitidum*
 " *intertextum*

(162)

Glencanny Bridge near Carriskill
Co. Fermanagh. 10th July, '99.
aws.

Arion subfuscus.

" *ater*.

Vitrea cellaria. Like *V. Libernica*.

Helix rotundata.

" *rustica*.

" *nemoralis*.

" *lupida*.

" *rufescens*.

Bochliopsis lubrica.

Pupa cylindrica.

Balea perversa.

Clausilia bidentata.

Acroloxus laevis Dead in river.

Bythinia tentaculata.

Sphaerium concinnum.

Agrio. agrestis.

Shore of Lough Macnean, (River), Co. Fermanagh.
aws. 10th July, '99.

Agrio. agrestis.

Vitrea cellaria. Like *V. Libernica*.

Euconulus fulvus.

Zonitoides nitida.

Helix rustica.

" *rufescens*.

" *nemoralis*.

Bochliopsis lubrica.

Clausilia bidentata.

Pupa cylindrica.

Vertigo antistipes.

Succinea Pfeifferi.

Limnaea palustris.

" *stagnalis*.

Limnaea stagnalis.

Bythinia tentaculata.

Sphaerium concinnum.

Black Lion, Co. Carrick.

aws. 10th July, '99.

Agrio. agrestis.

Limnaea stagnalis.

Planorbis contorta.

Succinea Pfeifferi.

Valvata cristata.

Sphaerium concinnum.

In drain along river.

Vitrea allioria.

Helix rotundata.

" *rufescens*.

" *nemoralis*.

By cottage 1 mile west of village.

Pupa cylindrica.

Clausilia bidentata.

Barleagh Mountain, Co. Carr.
500 to 600 ft. alt. AWS. 10th July '09

Arion ater

" *intermedius*

" *fasciatus*

Agriol. agrestis

Vitrea cellaria. Like *V. litemica*.

" *alliarum*? One spec. dead.

" *radiata*

" *pura*

" *nitidula*

" *crystallina*

Helix rotundata

" *rupestris*

" *hispida*

Small high spired form.

" *remoralis*

Pupa anglica

" *cylindracea*

Sphyrad. edentula

Vertigo pygmaea

" *atpensis*. *Libertiata*

" *antivertigo* ✓?

Coellicopa lubrica

Succinea Pfeifferi

Linnæa palustris

Pisidium pusillum

Common in peat bogs. close to 700 ft. alt.

With *L. palustris*

(163)

No *Clavicularia* seen at all

Glenade Mountain, 1400 ft. alt., Co. Leitrim.
AWS. 11th July '09.

Agriol. agrestis

Arion subfuscus. Nearly black.

Vitrea alliarum

Eucosma fulva

Helix rupestris

" *hispida*

Pupa cylindracea

all living on the outcrops of rock
which project above the peat bog
covering of the mountain.

Glenade Mountain, 1000 ft. alt. Co. Leitrim.
AWS. 11th July.

Agriol. agrestis

Arion ater

" *subfuscus*

Vitrea nitidula

" *alliarum*

" *pura*

" ~~nitidula~~

" *crystallina*

Eucosma fulva

Helix hispida

" *remoralis*

" *rupestris*

" *nitidula*

Coellicopa lubrica

all living on the great cliffs which
overlook the Glenade Valley.

Carych. minim.

Pupa cylindracea

Sphyrad. edentula

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